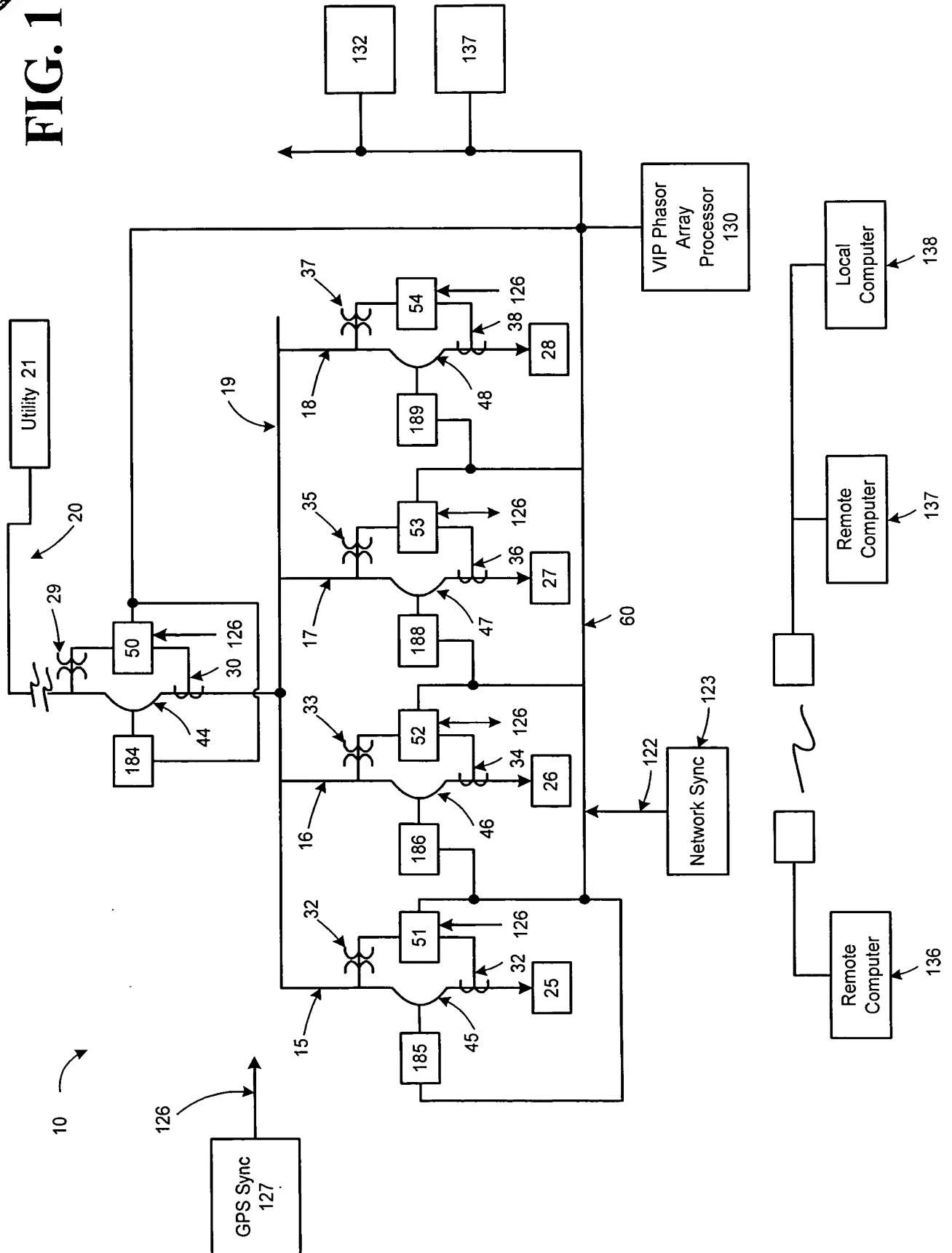
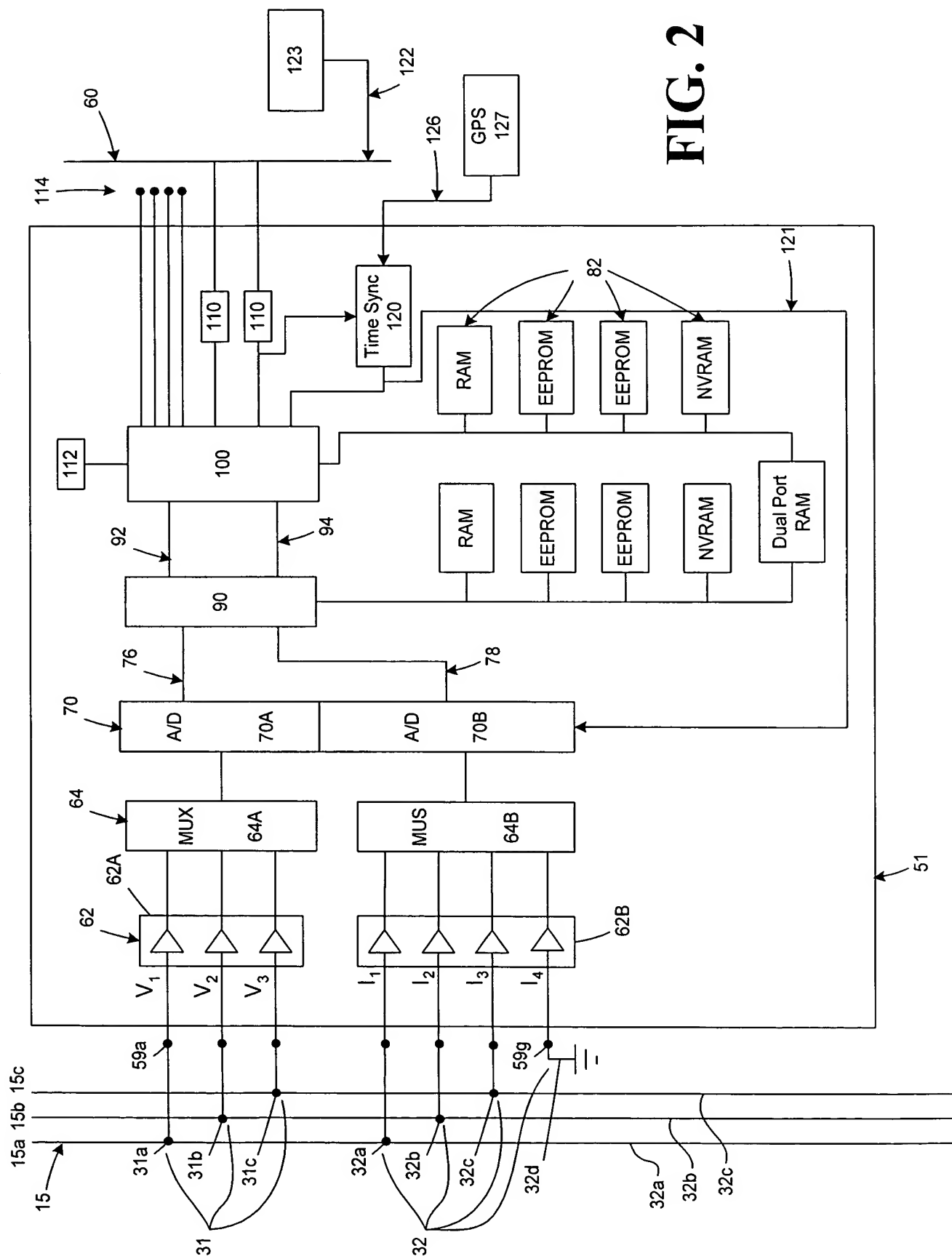


**FIG. 1**







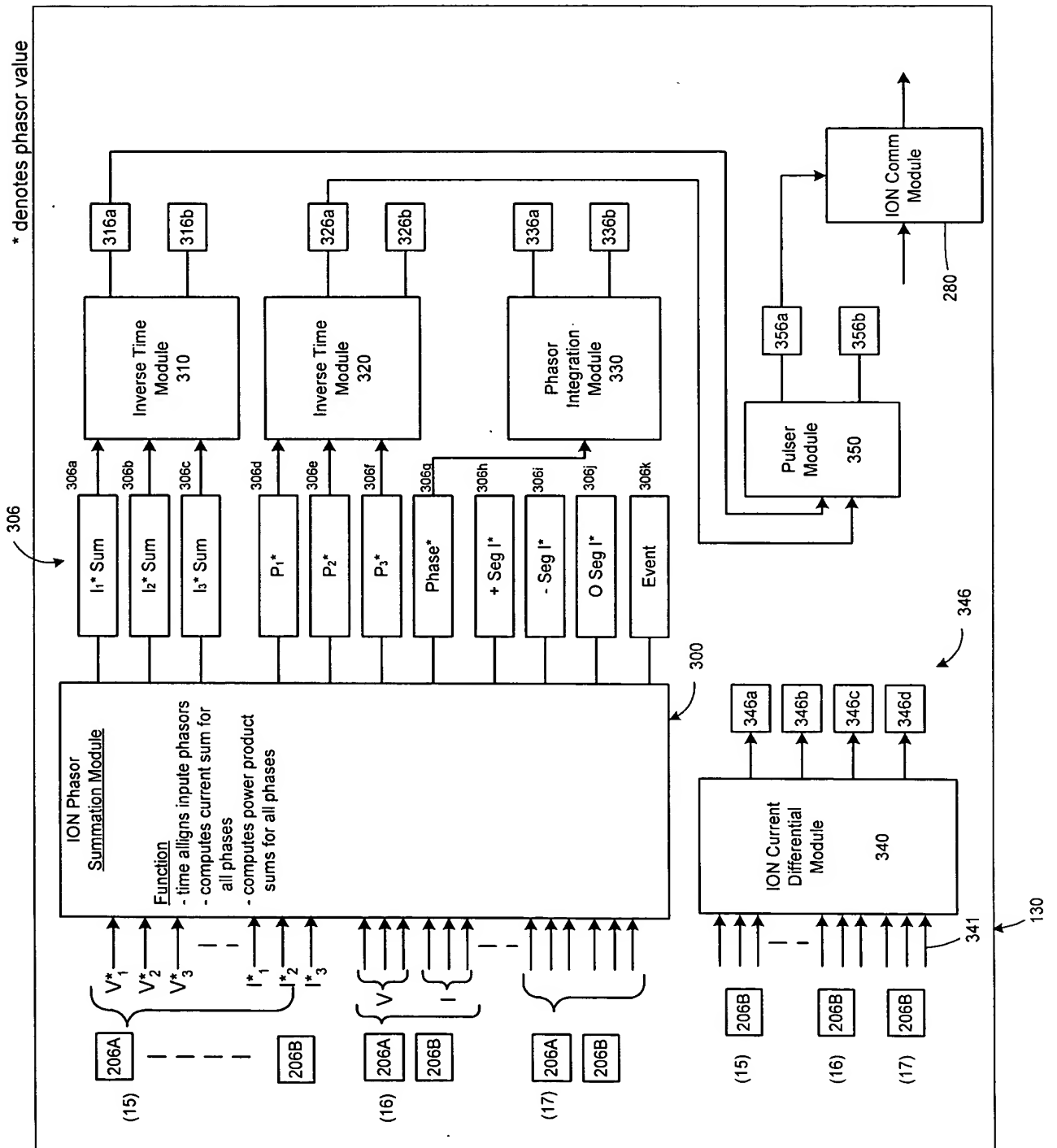


FIG. 4



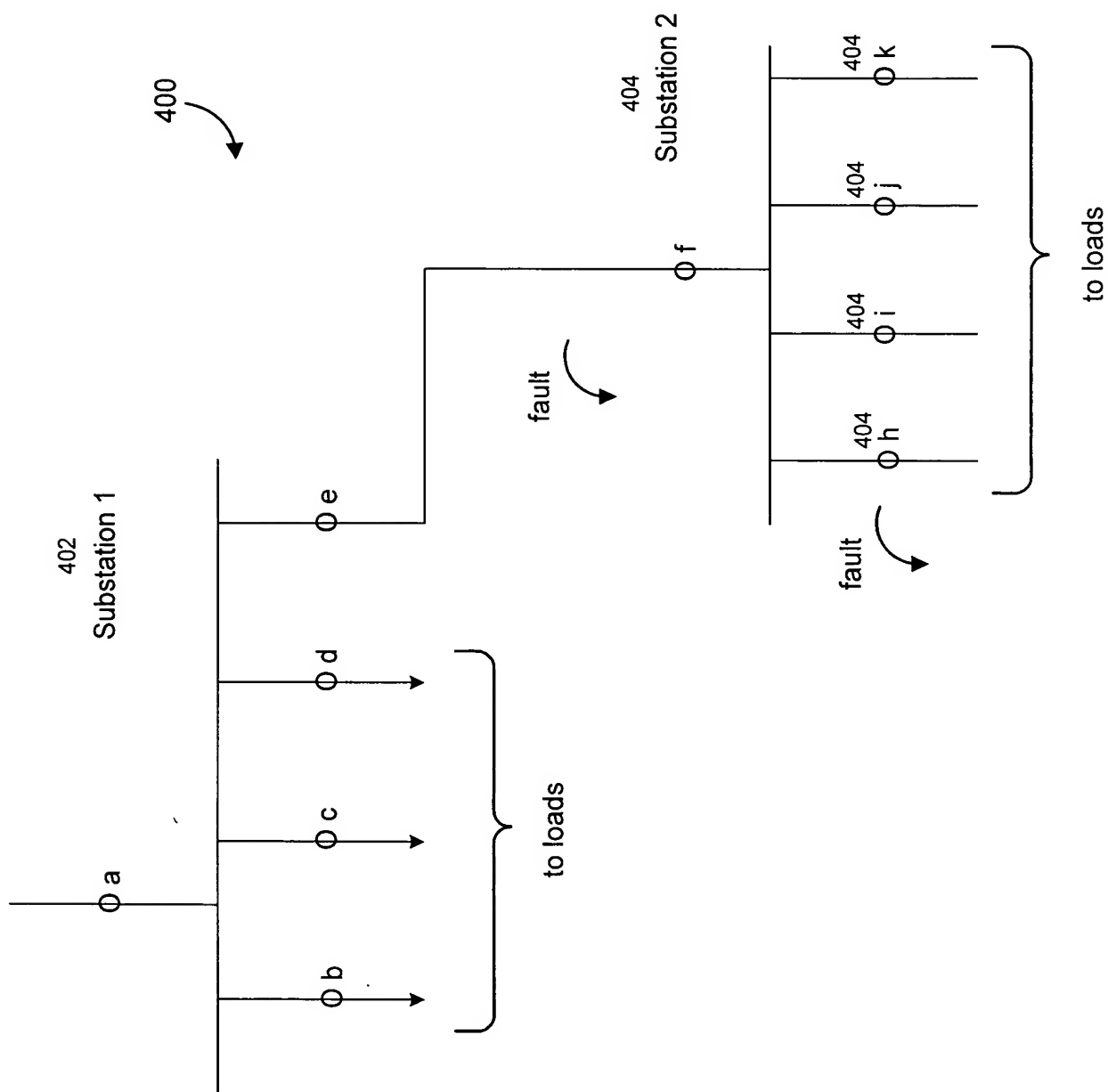


FIG. 5

**FIG. 6**

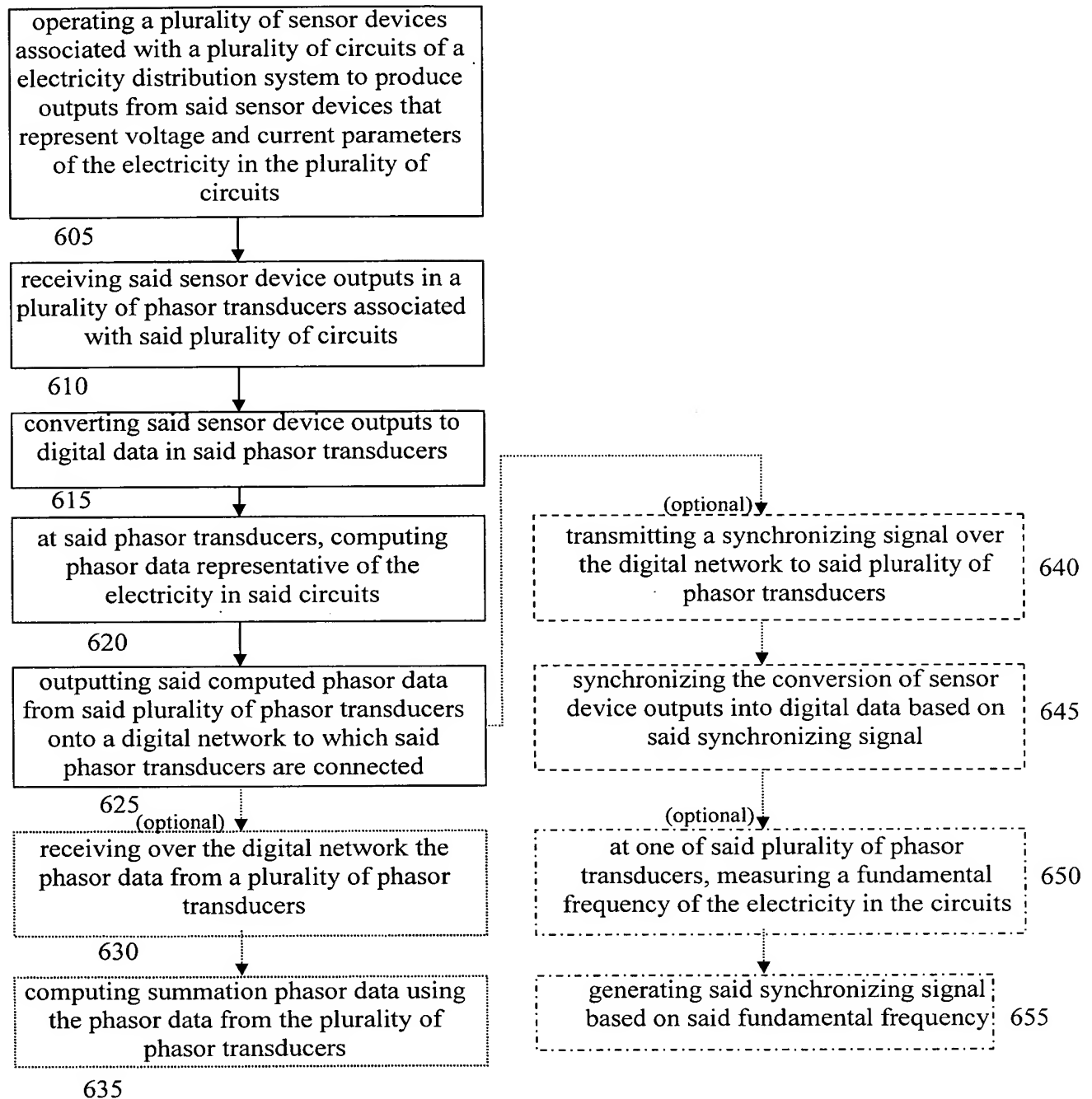


FIG. 7

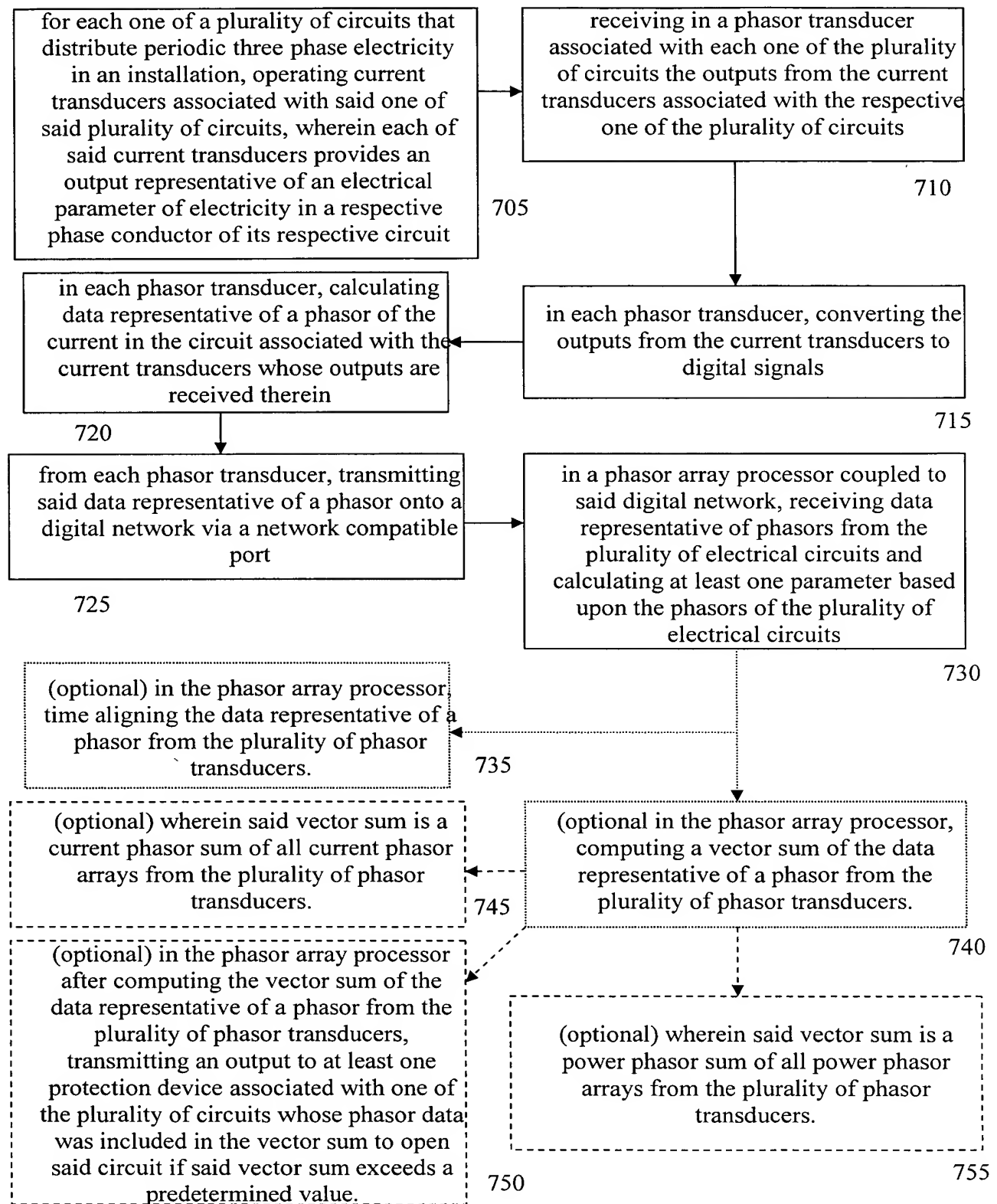


FIG. 8

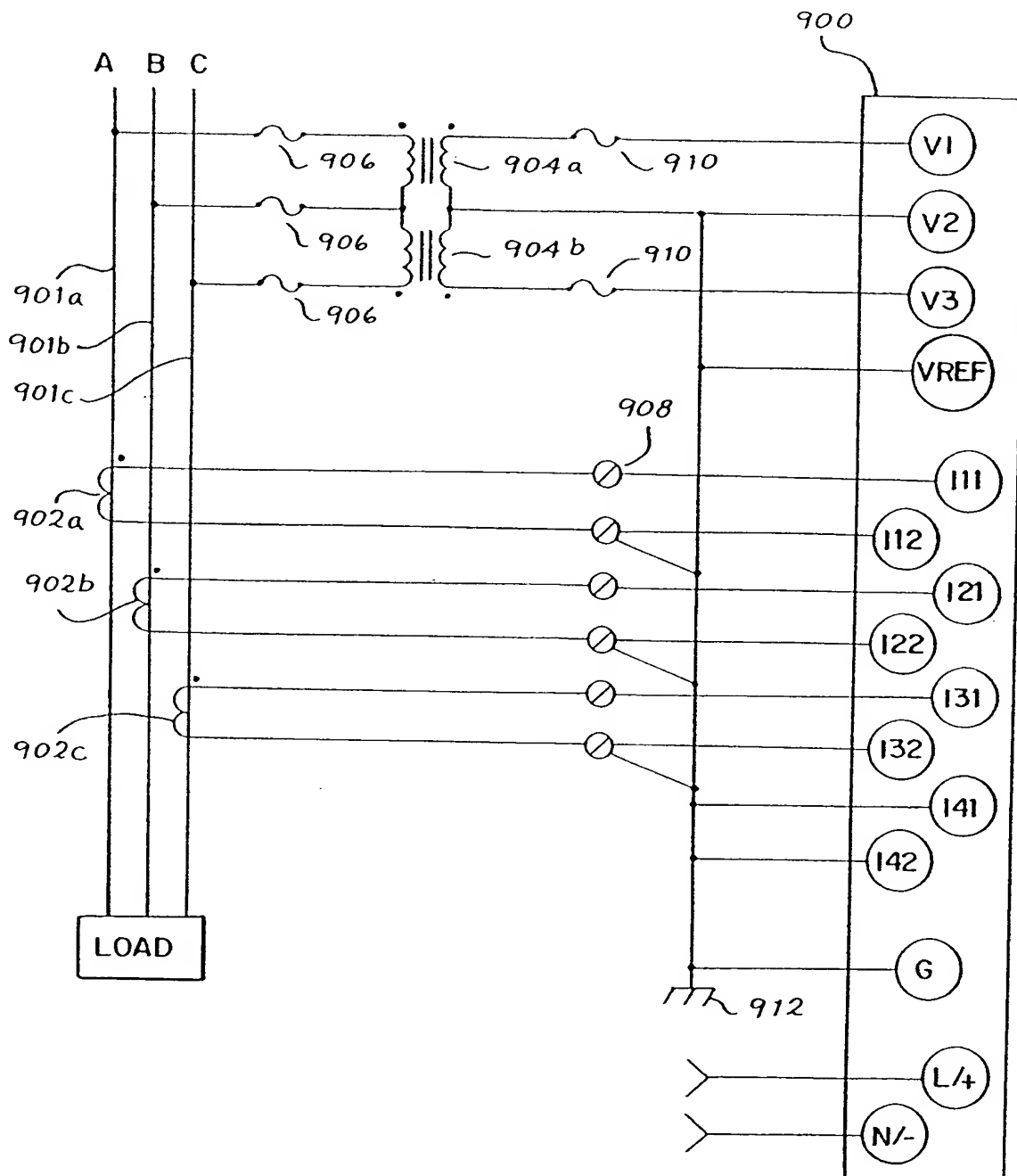


FIG. 9

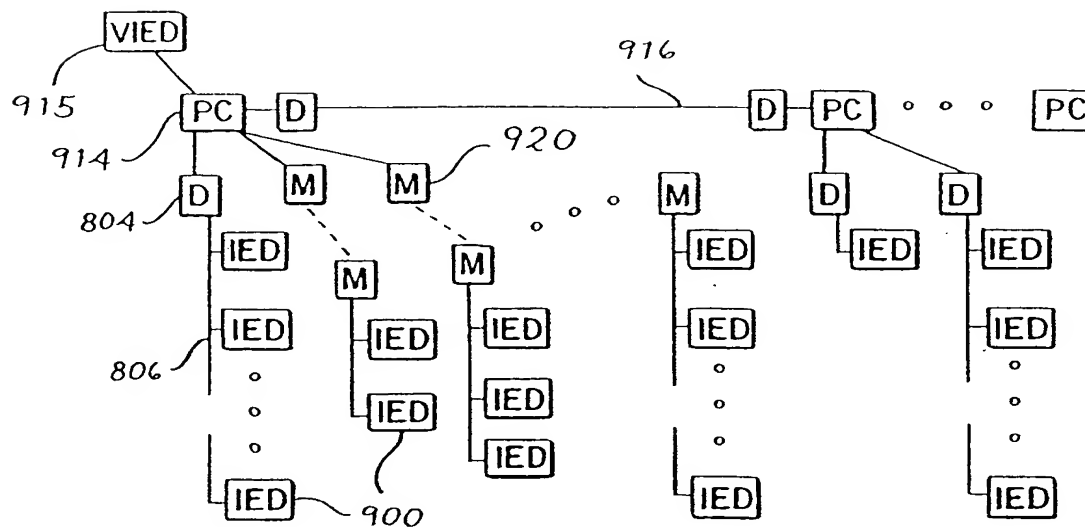


FIG. 11

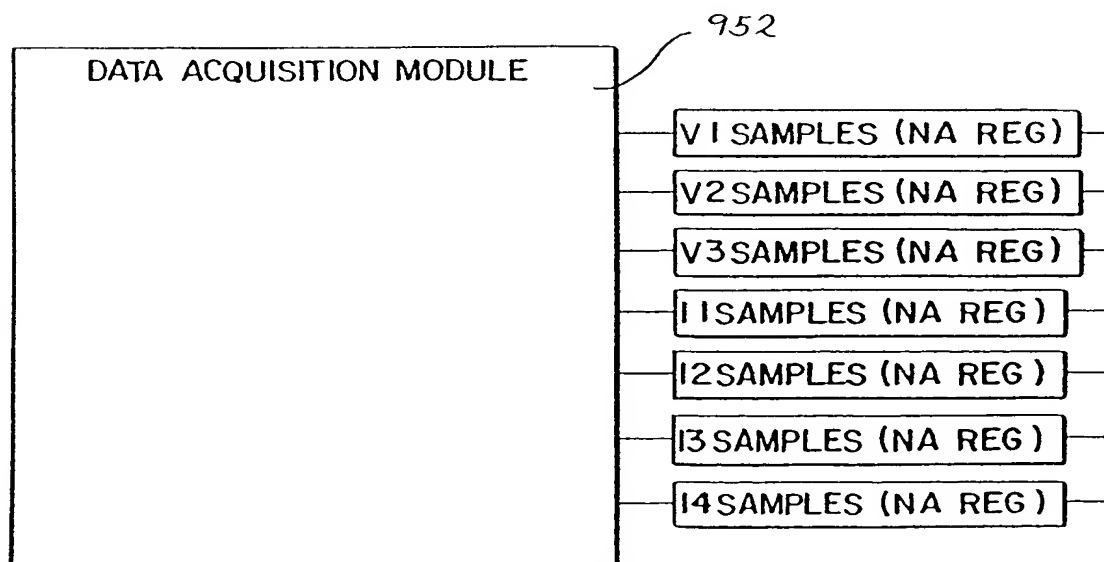
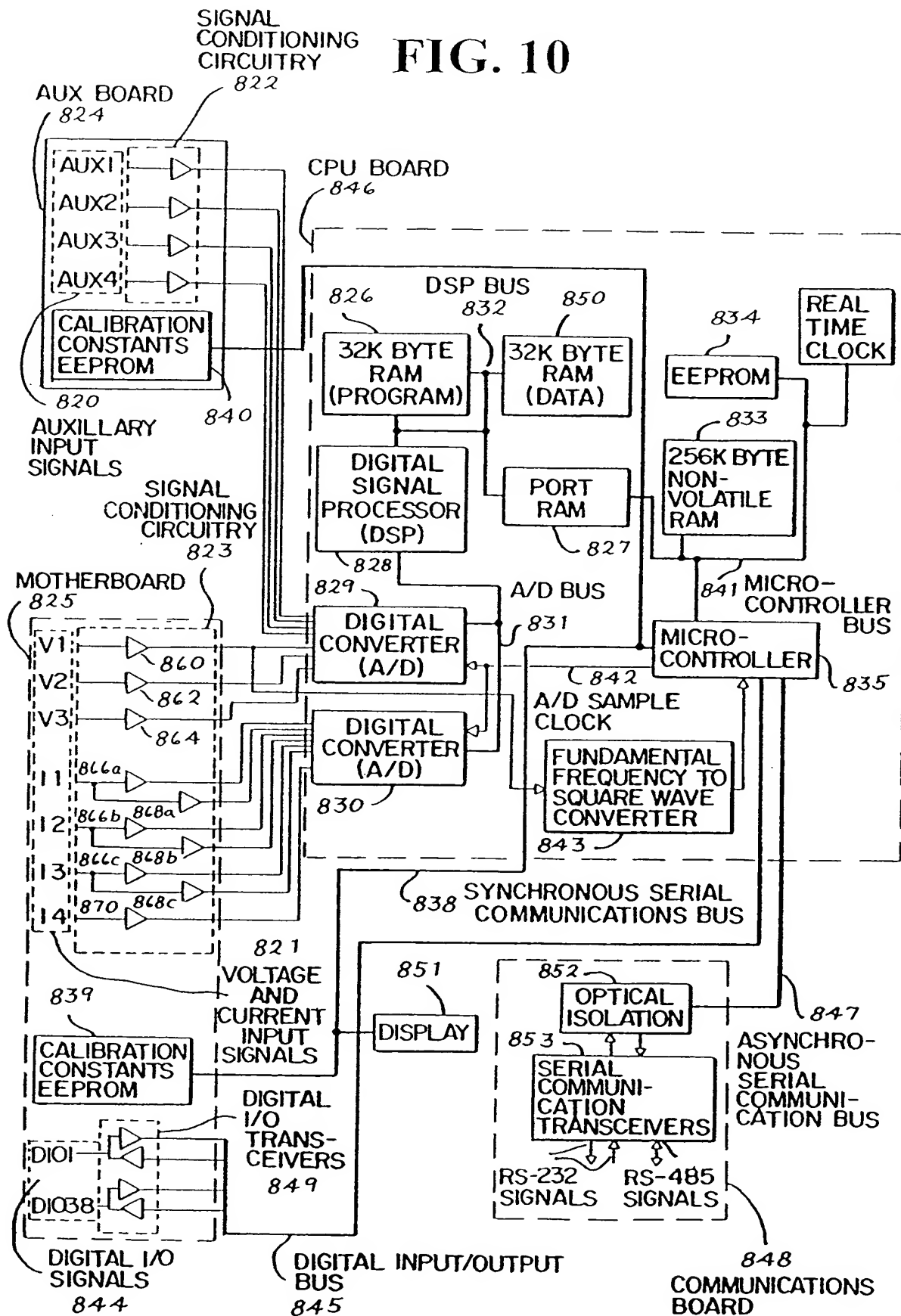


FIG. 10



11 06 2007

DATA ACQUISITION  
MODULE  
OPERATION (CLIENT  
PORTION)

FIG. 11A

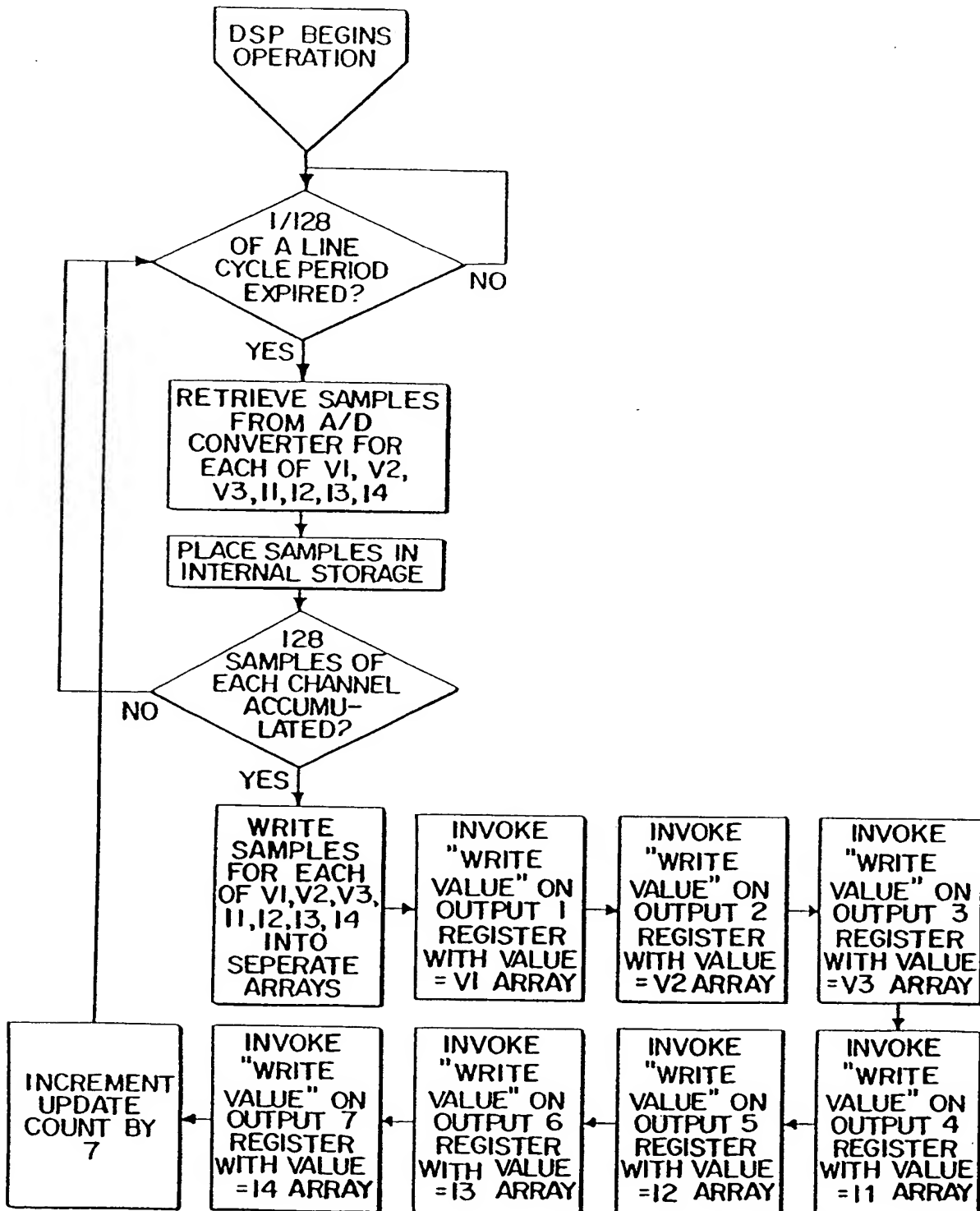
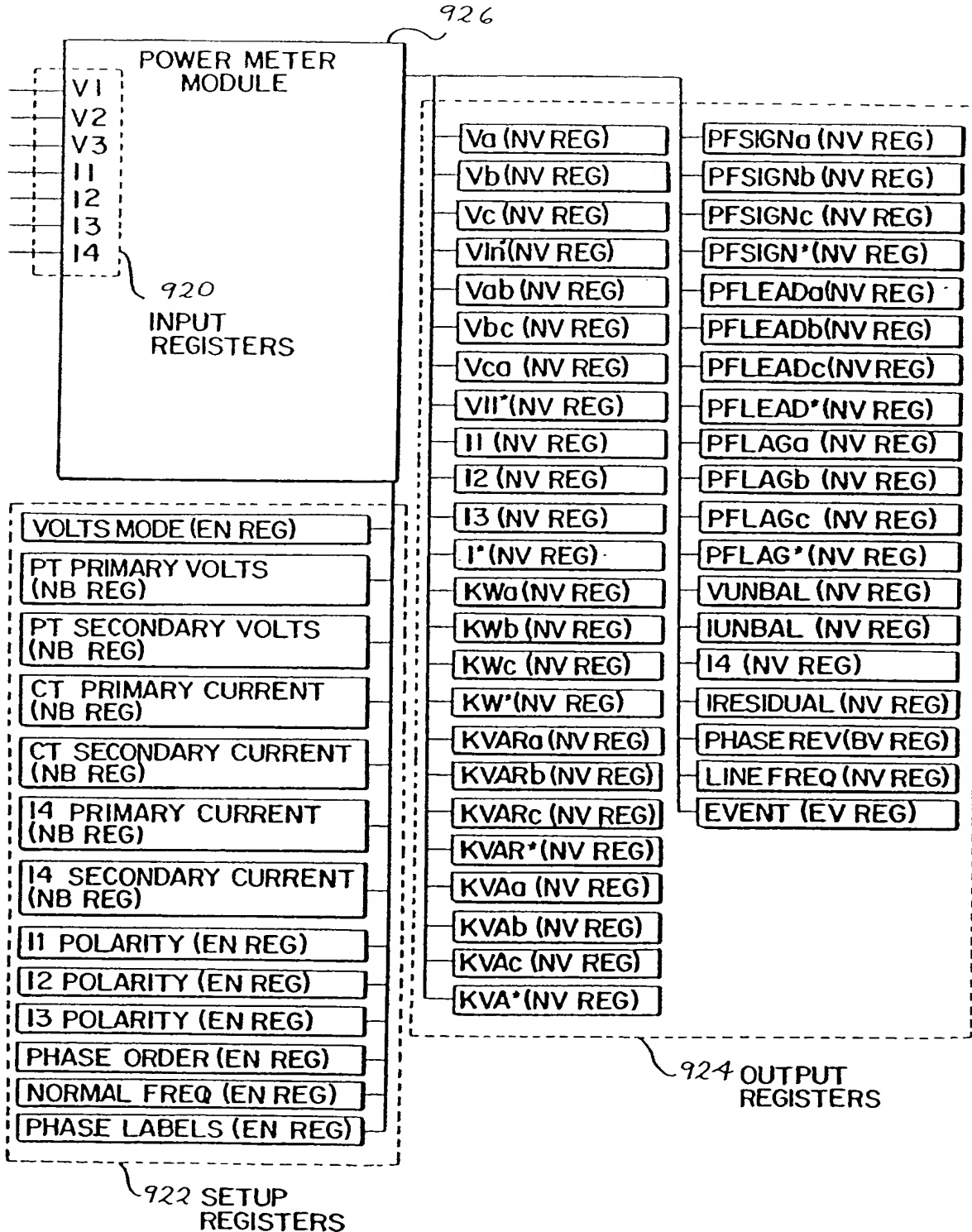


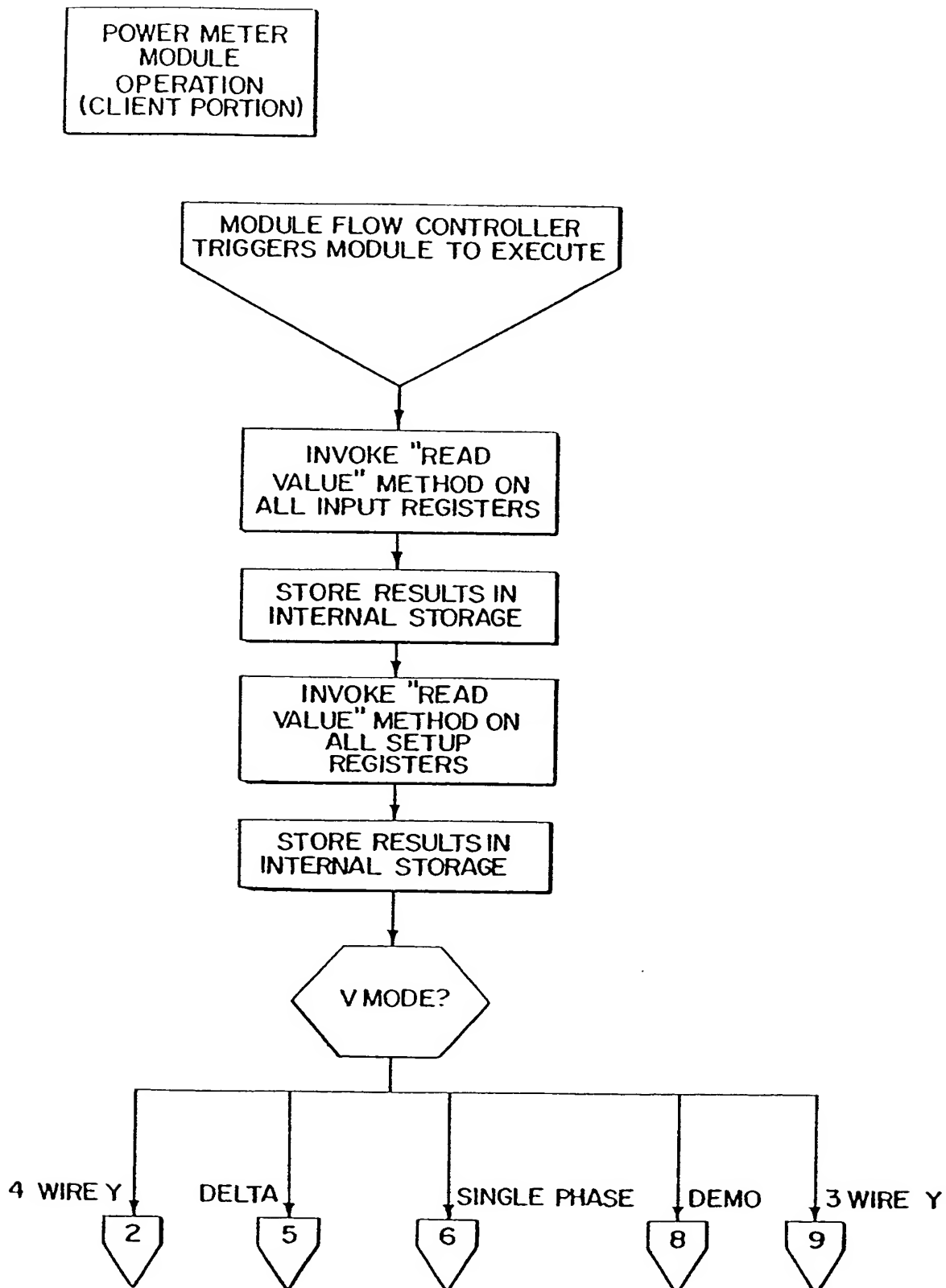
FIG. 12





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FIG. 12A



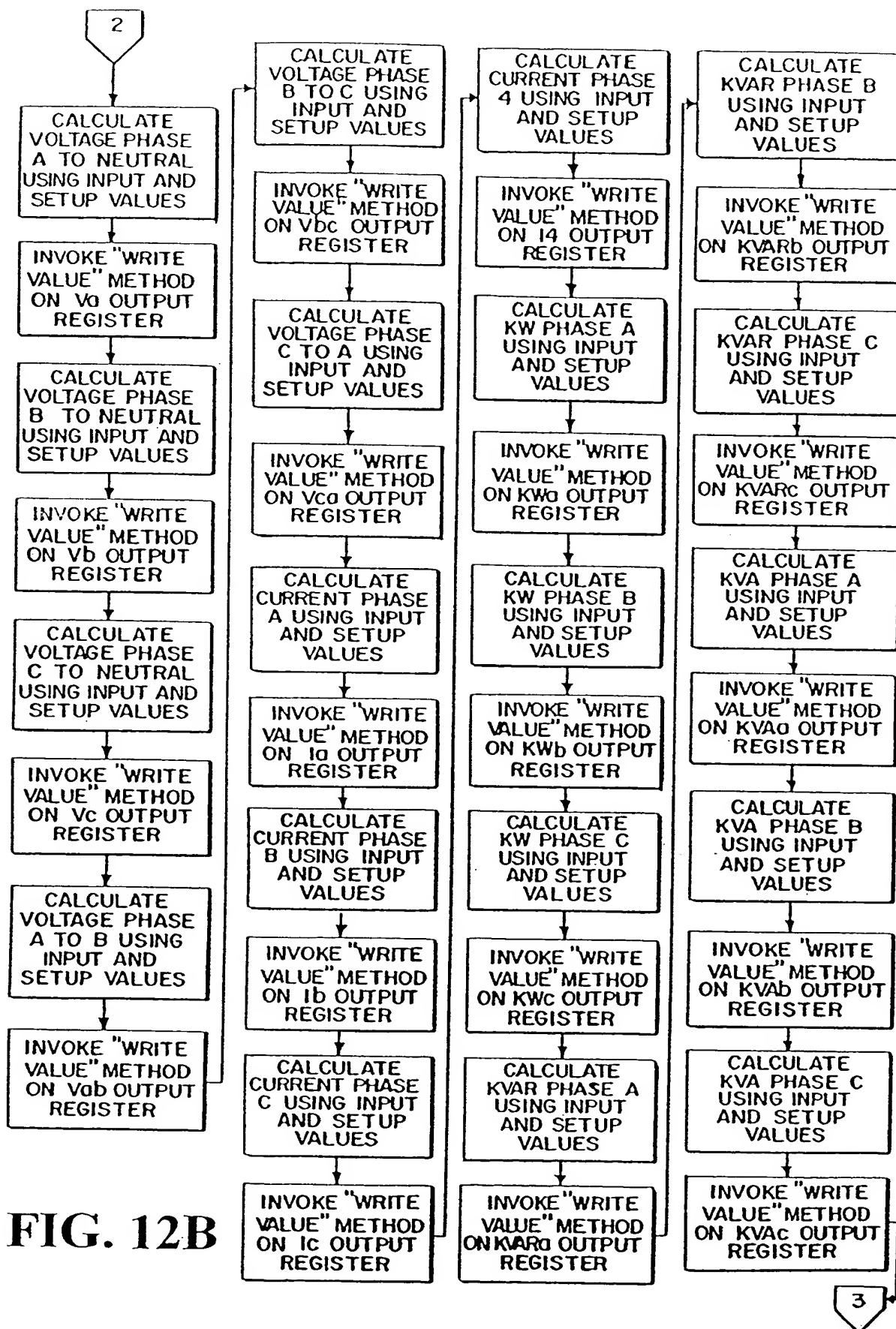


FIG. 12C

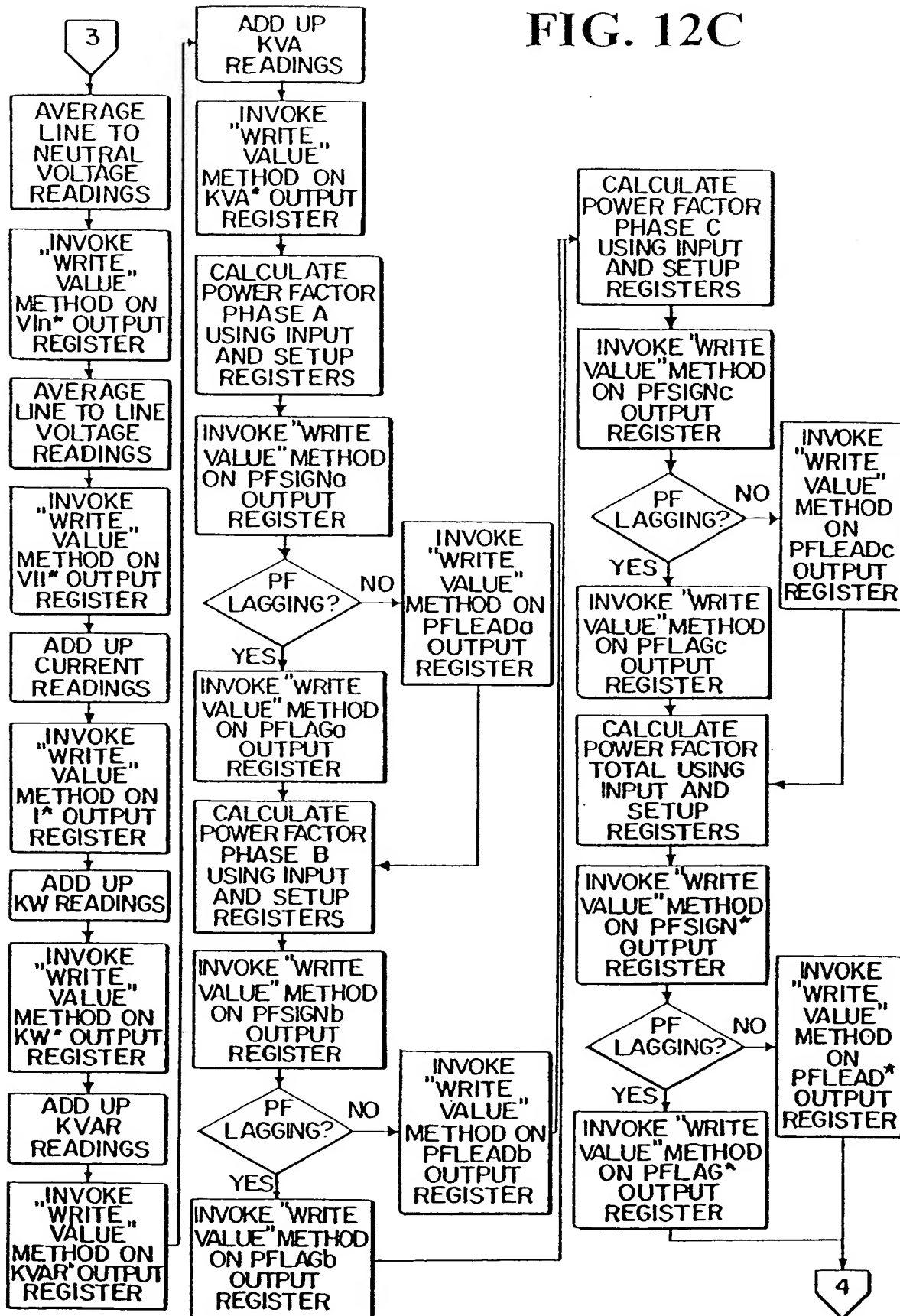


FIG. 12D

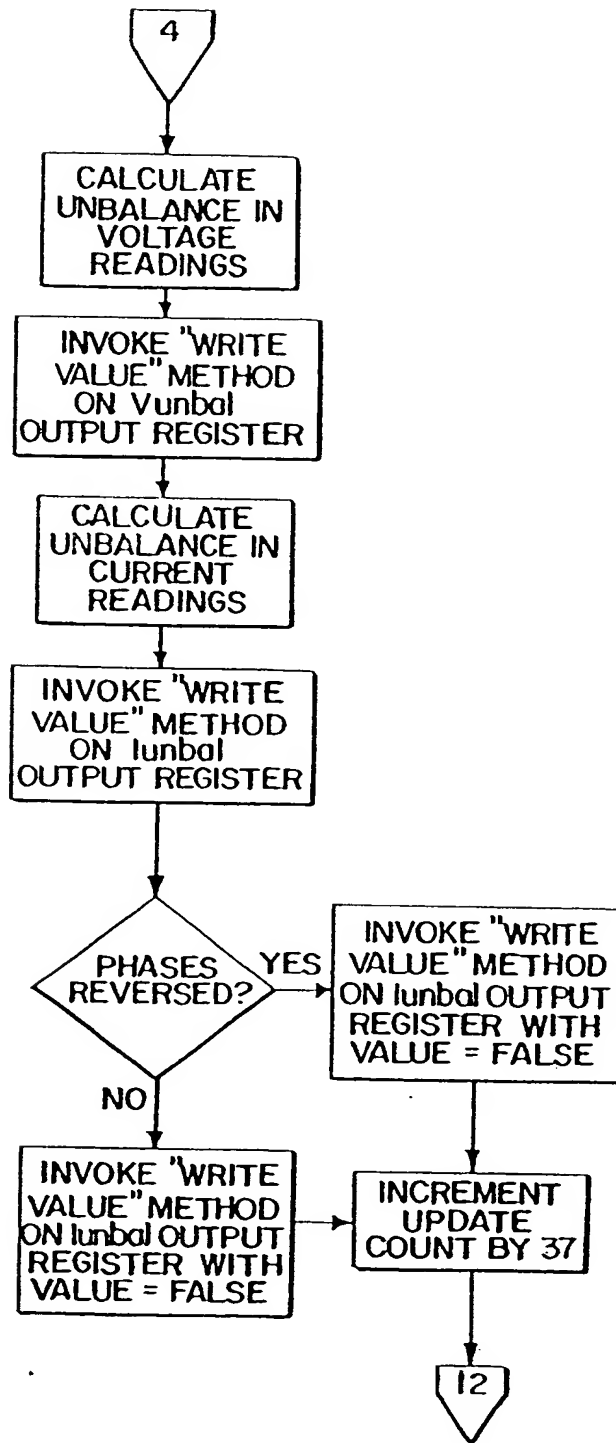


FIG. 12H

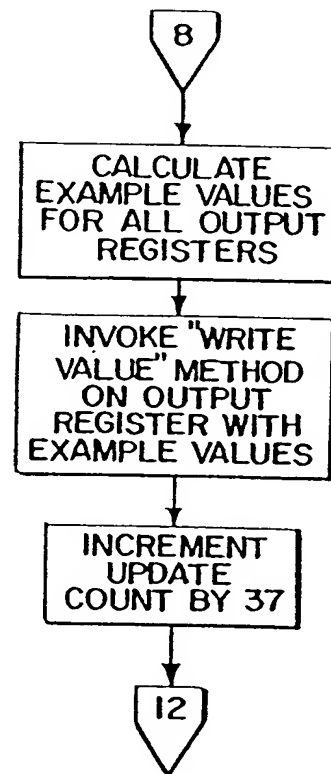


FIG. 12E

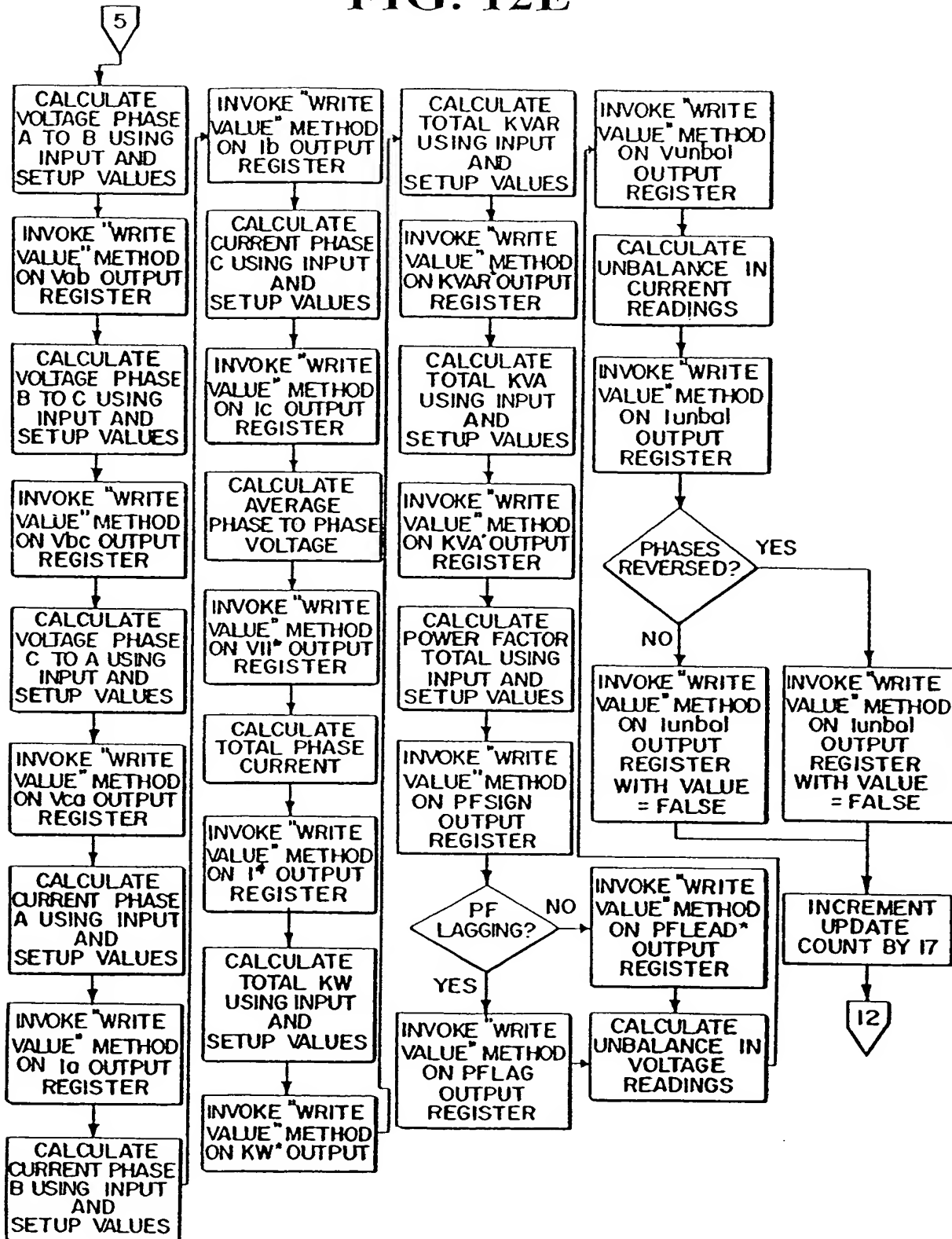


FIG. 12F

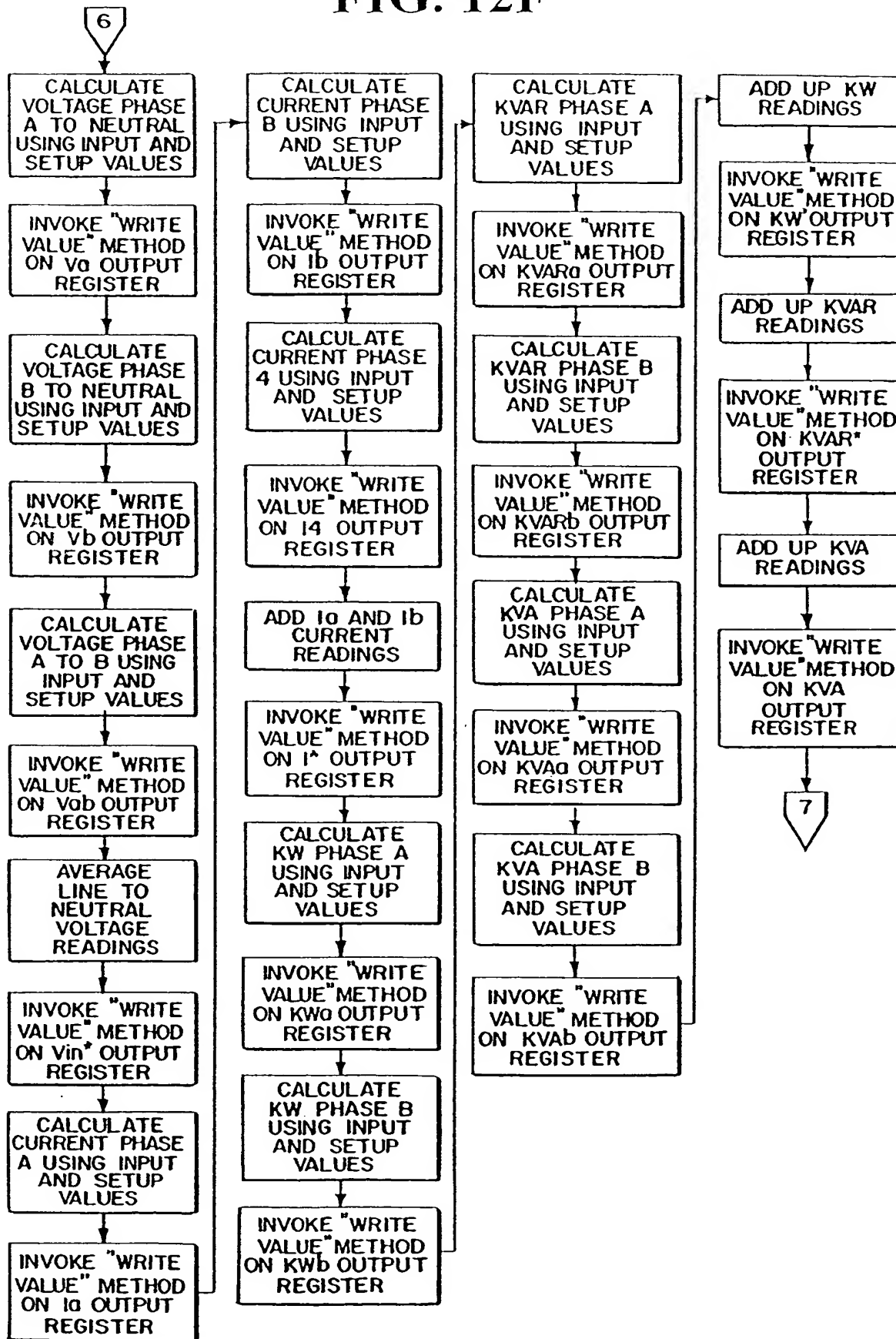
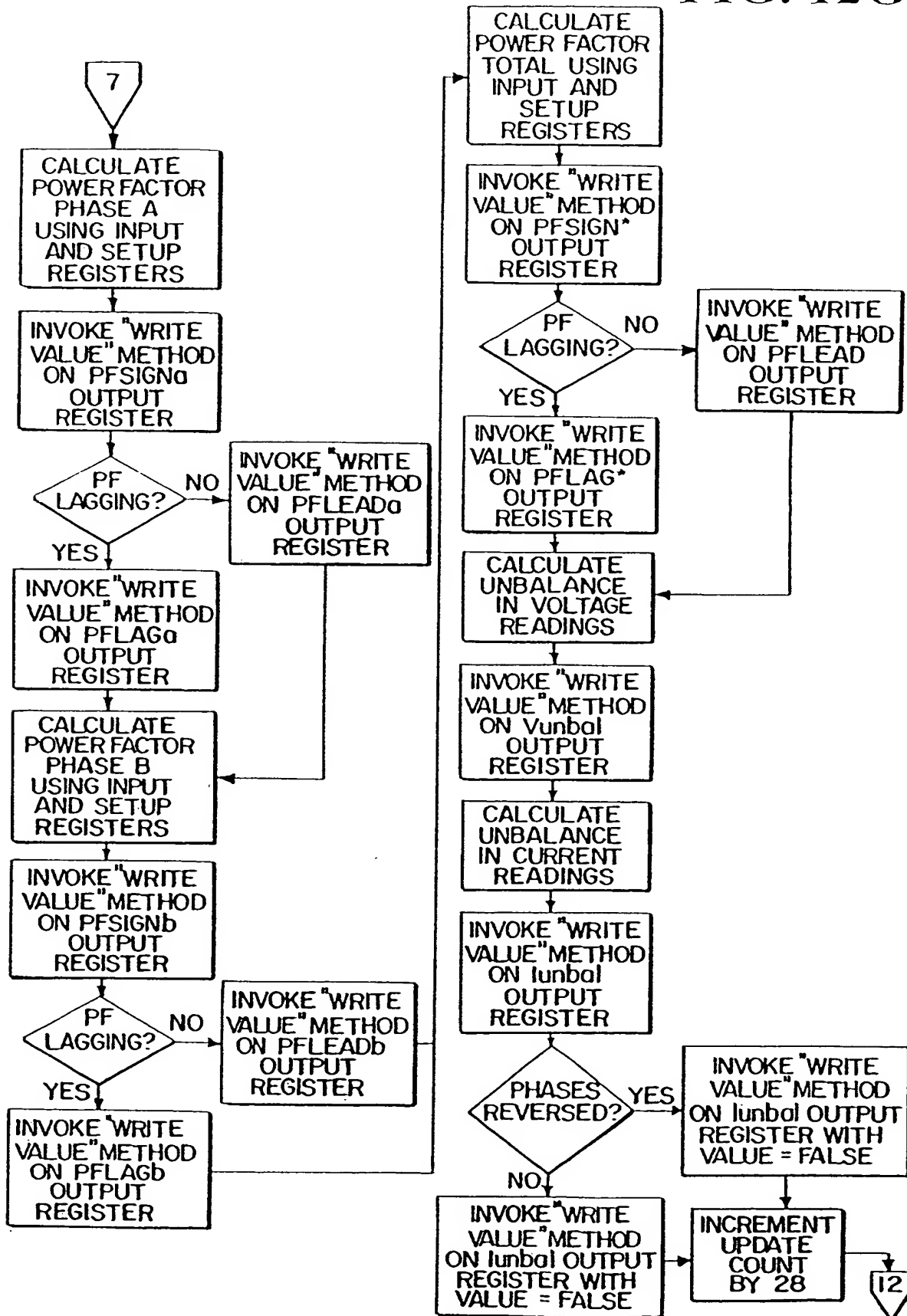


FIG. 12G



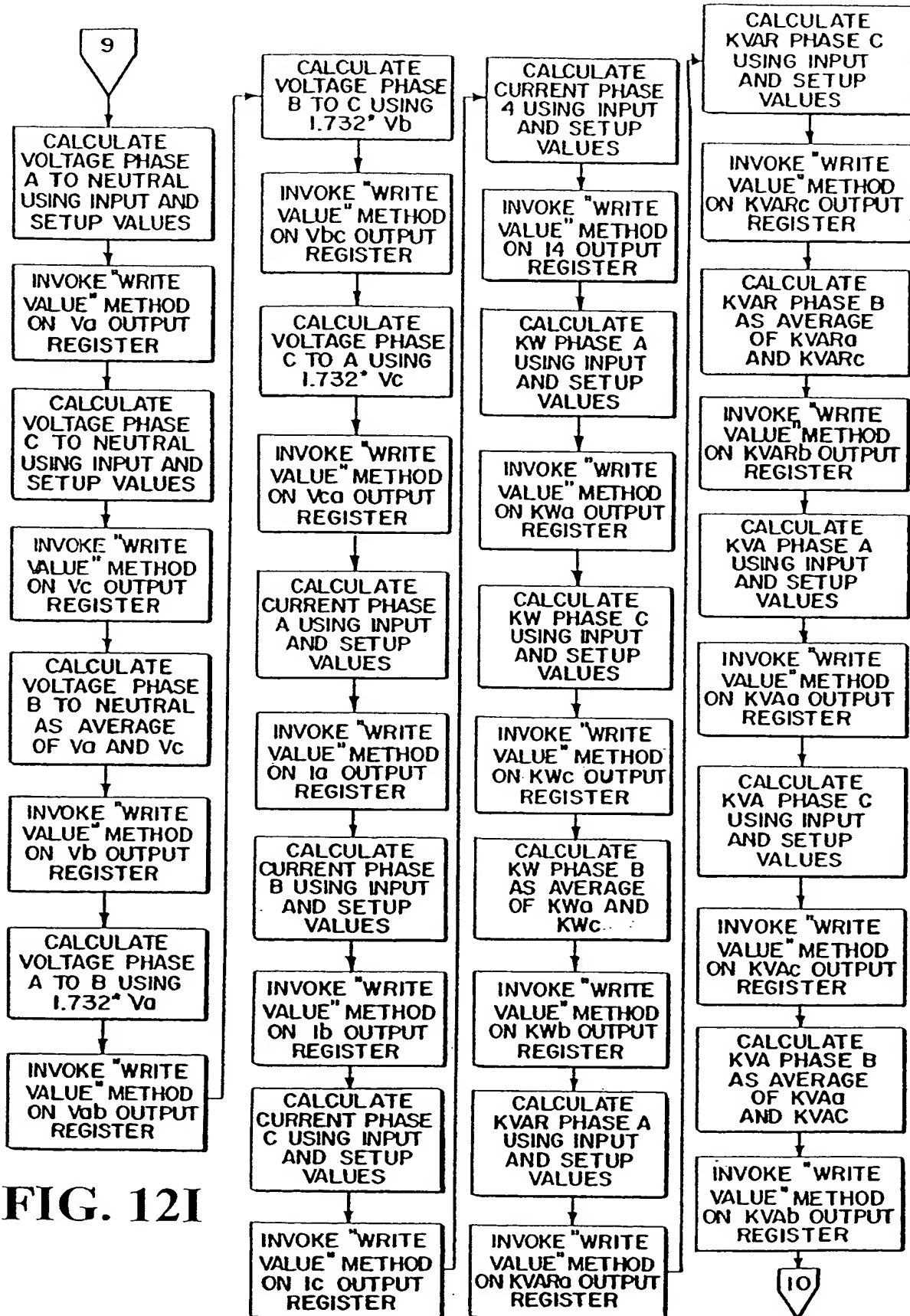


FIG. 121



FIG. 12J

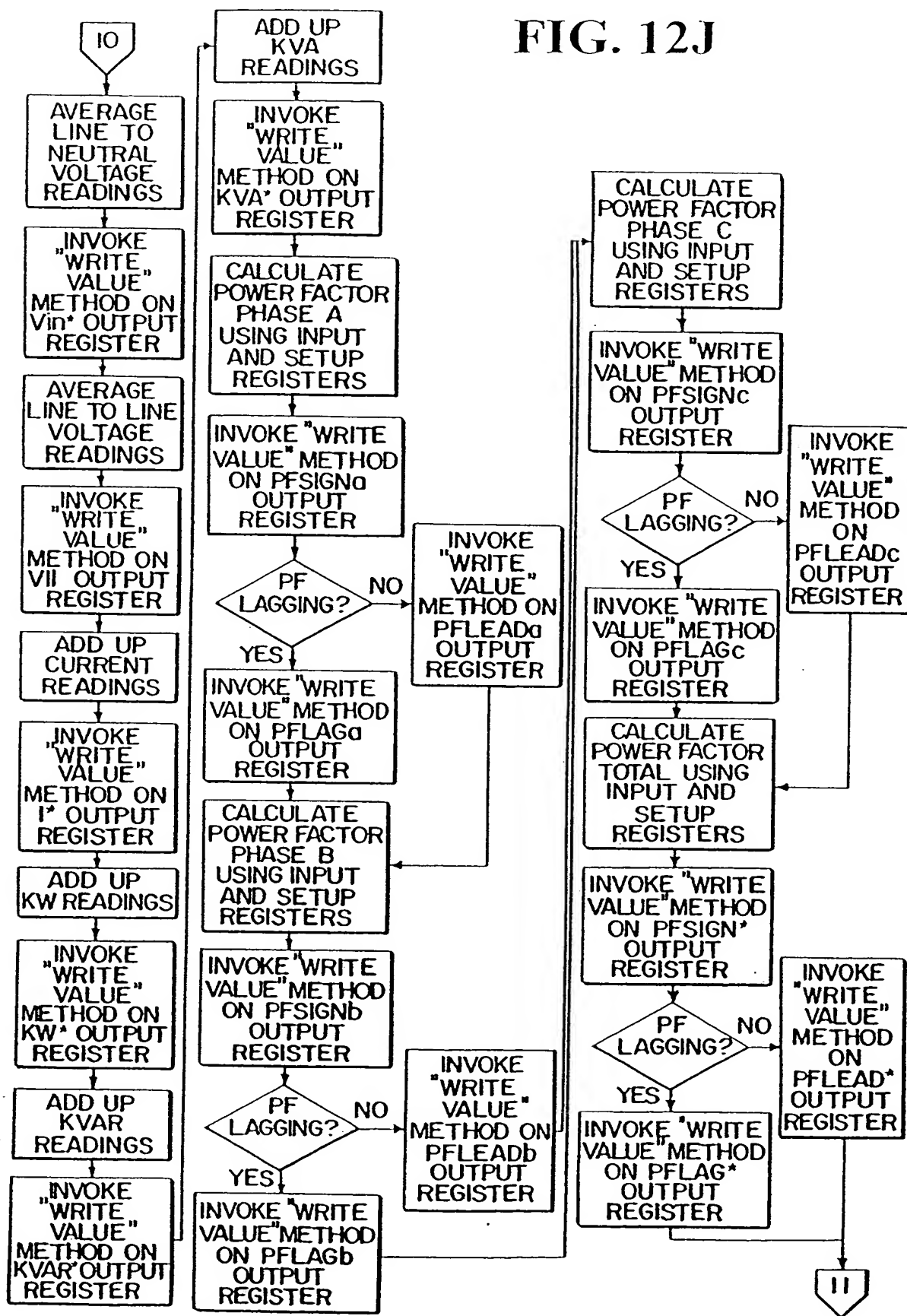


FIG. 12K

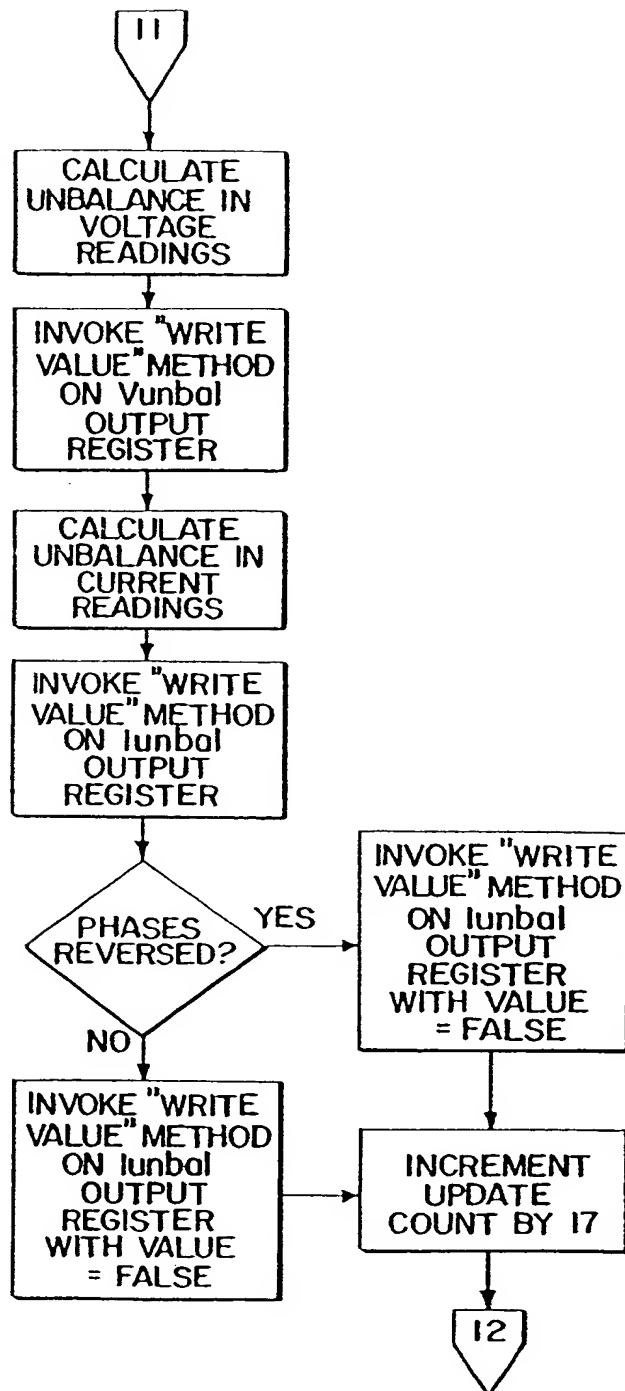


FIG. 12L

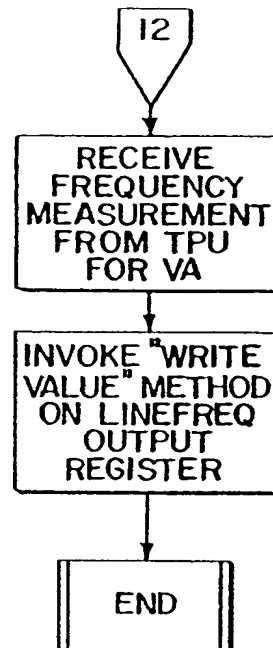


FIG. 13

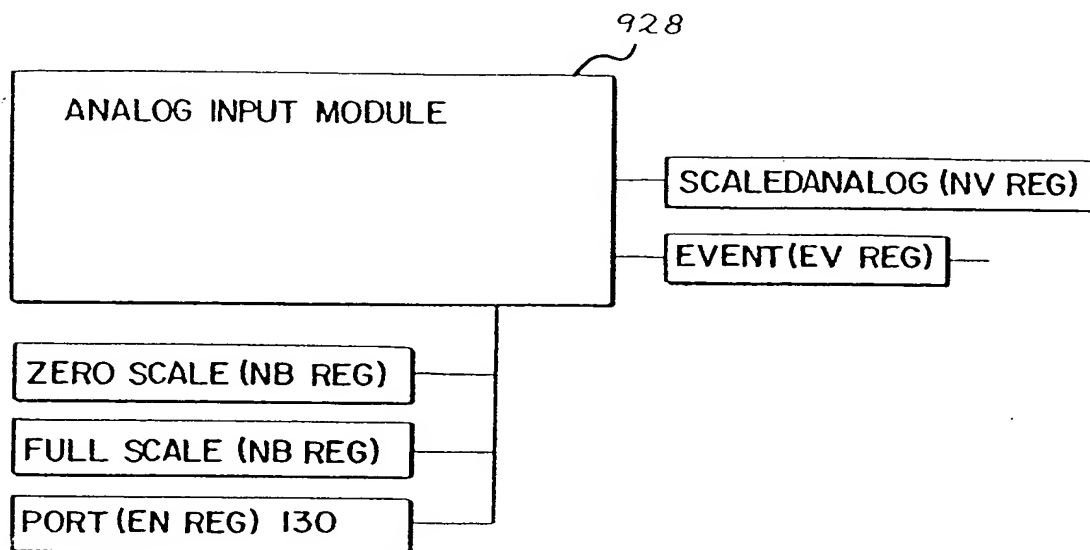


FIG. 14

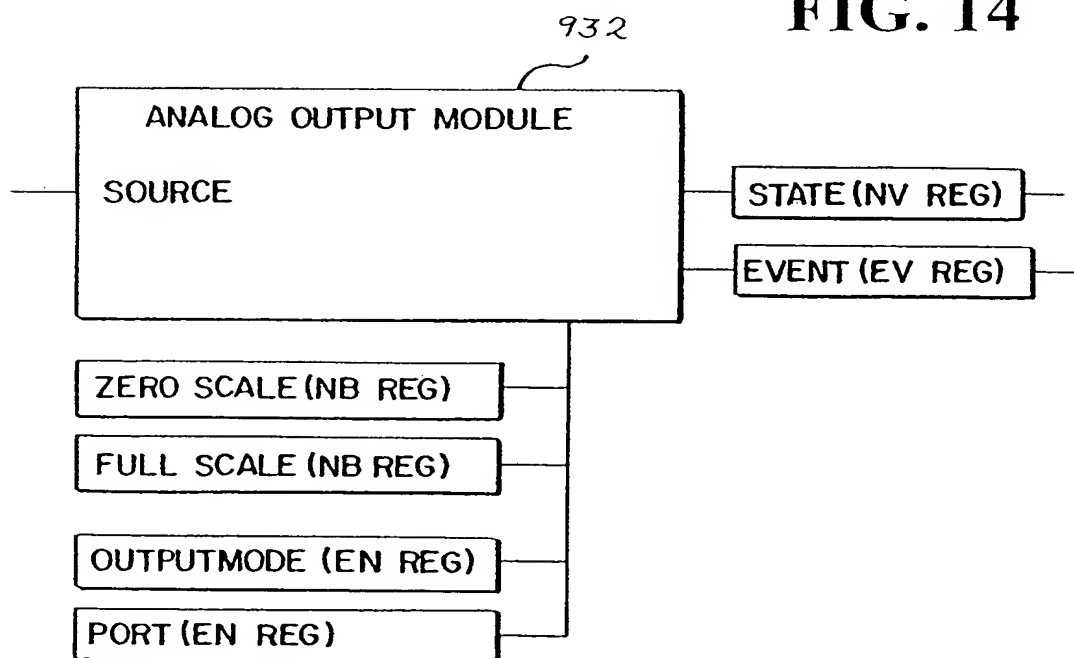
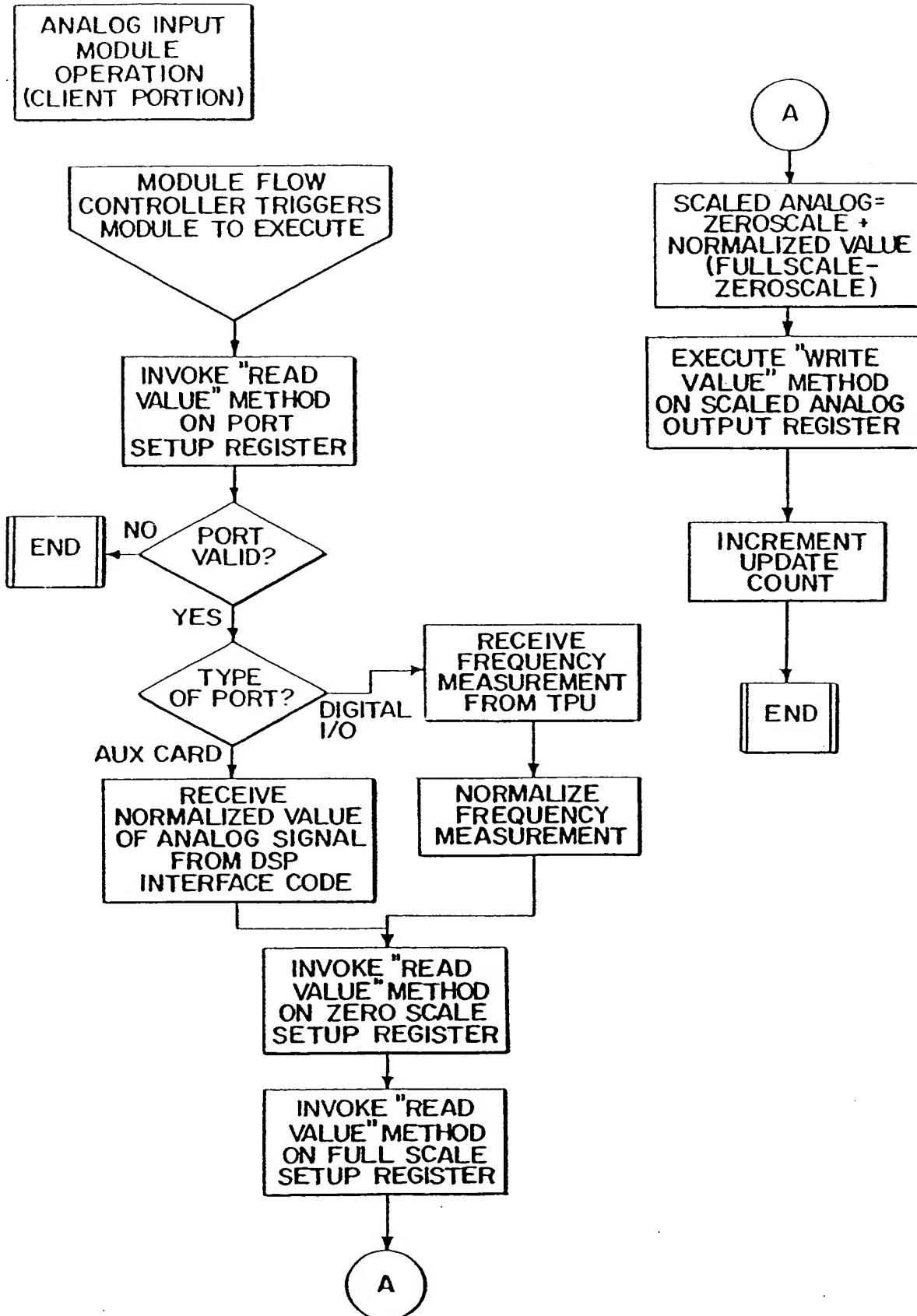
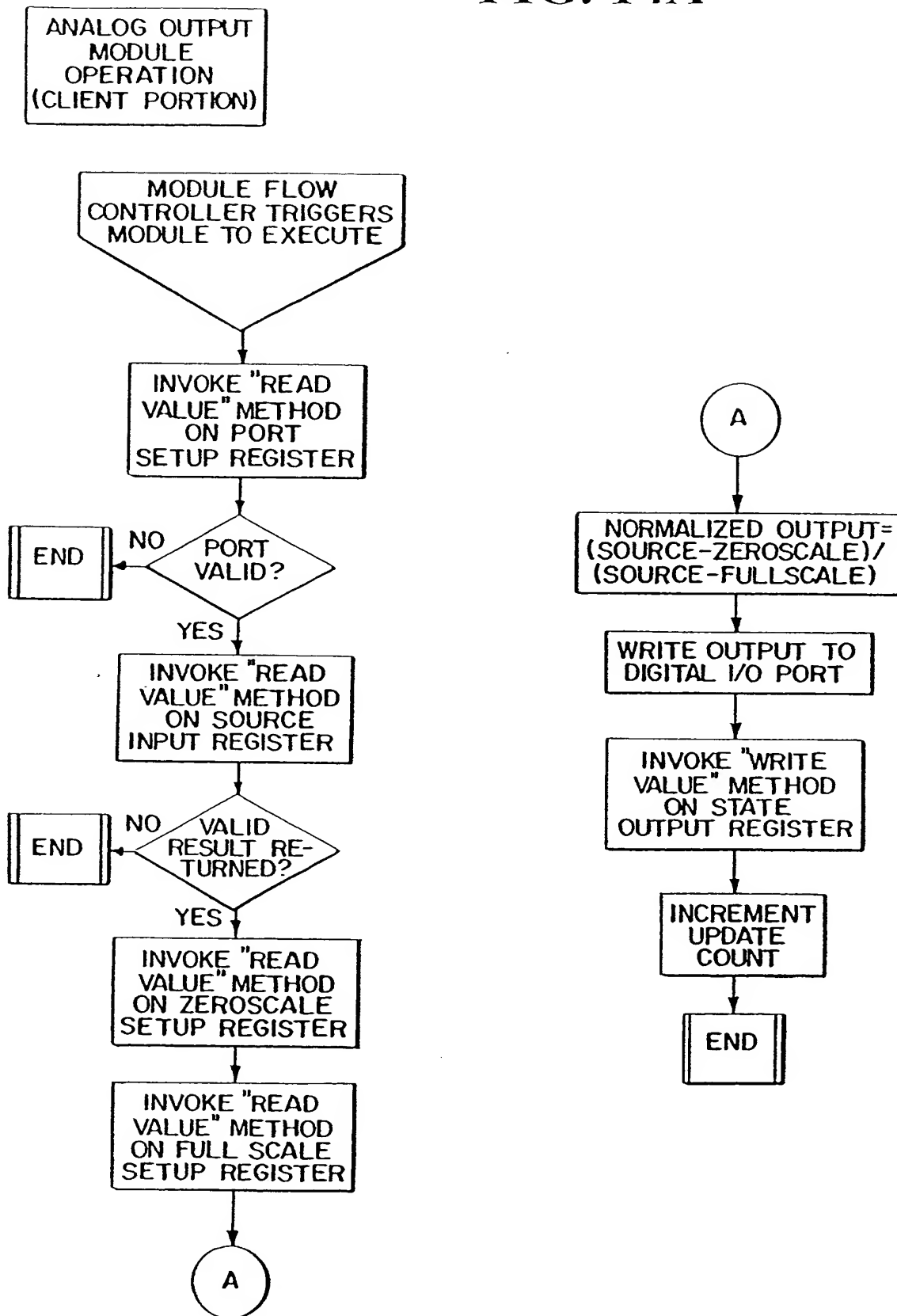


FIG. 13A



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FIG. 14A



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FIG. 15

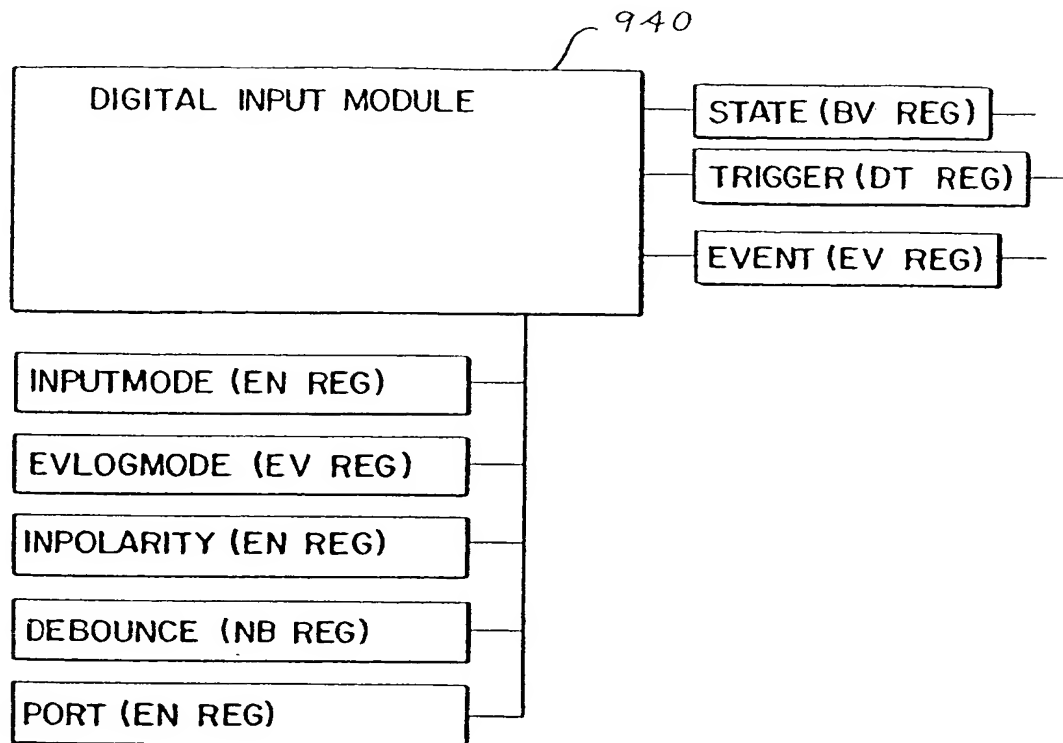


FIG. 16

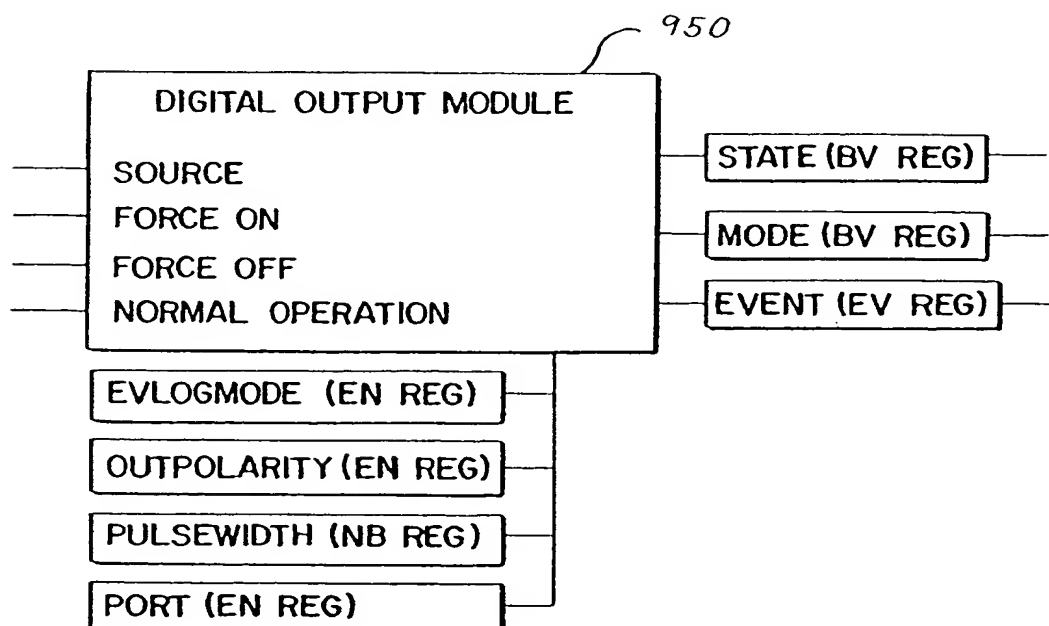


FIG. 15A

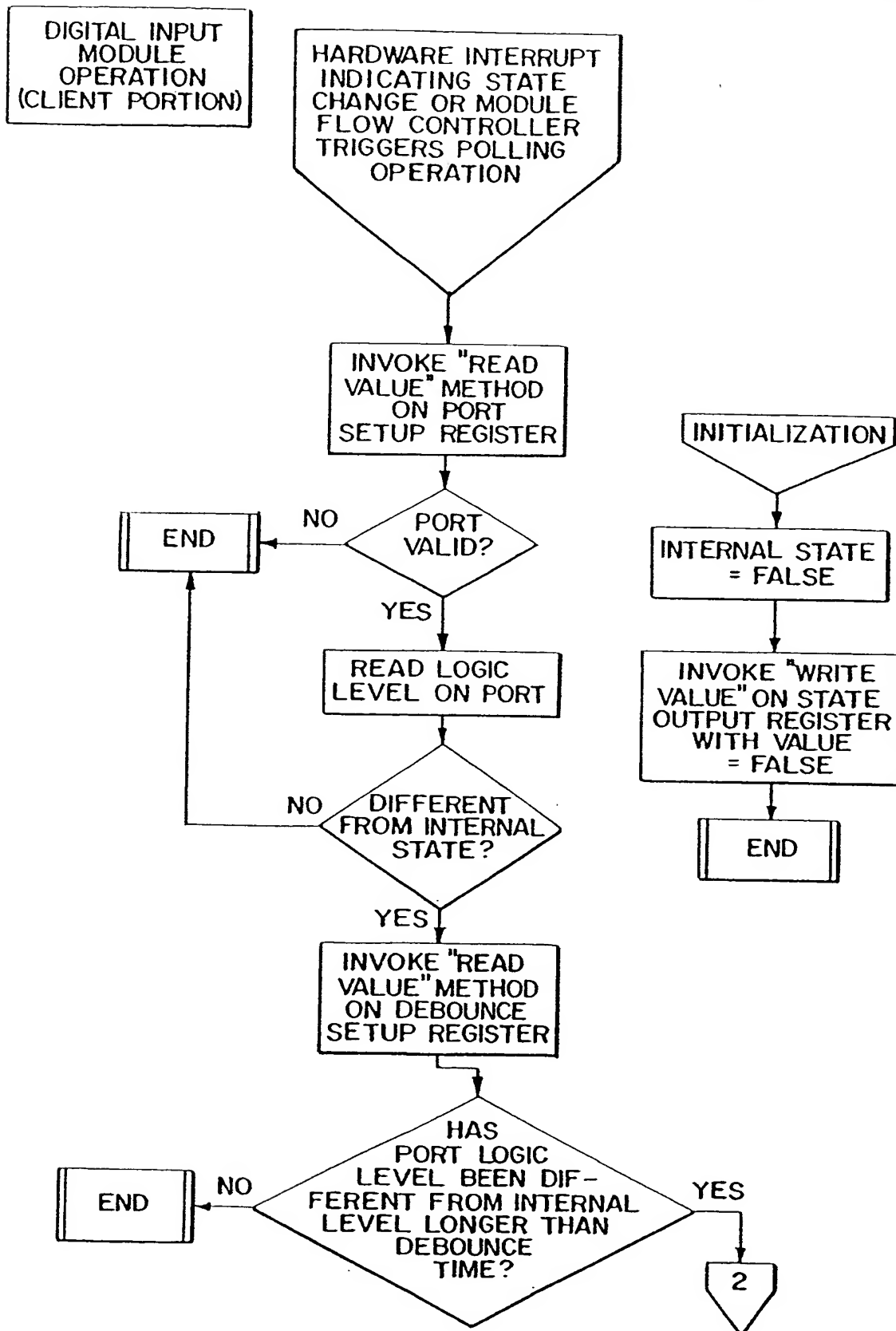
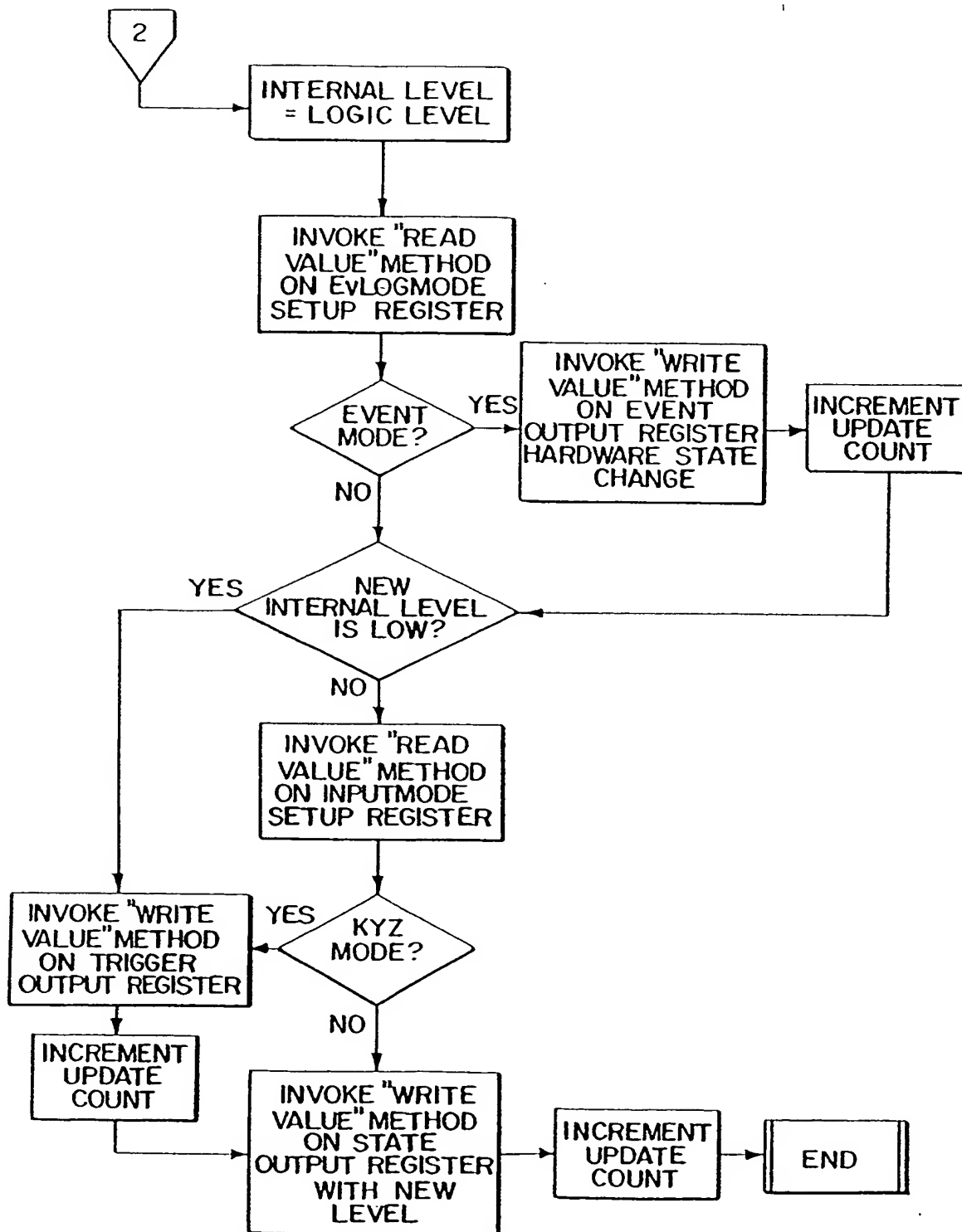


FIG. 15B





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FIG. 16A

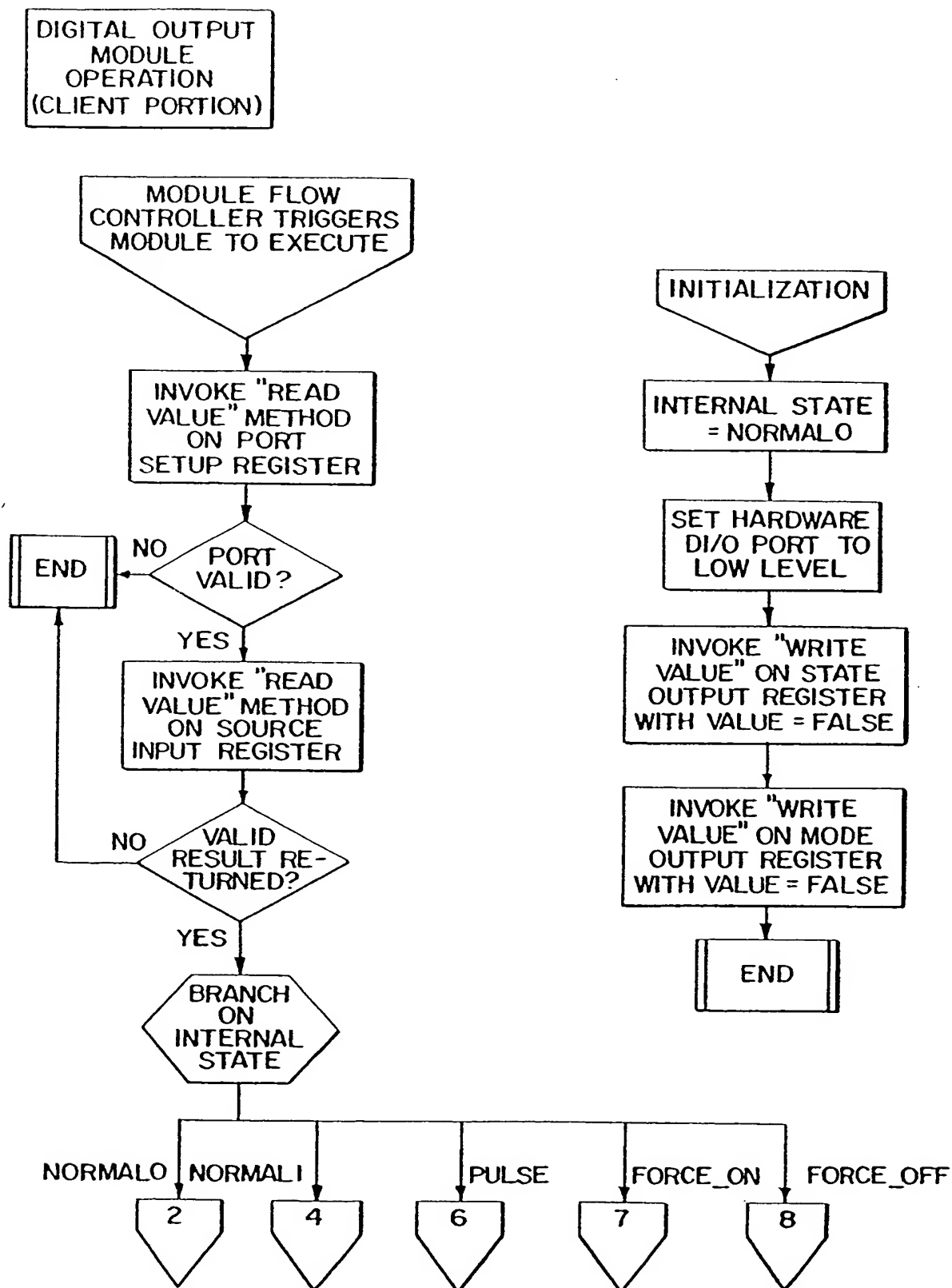
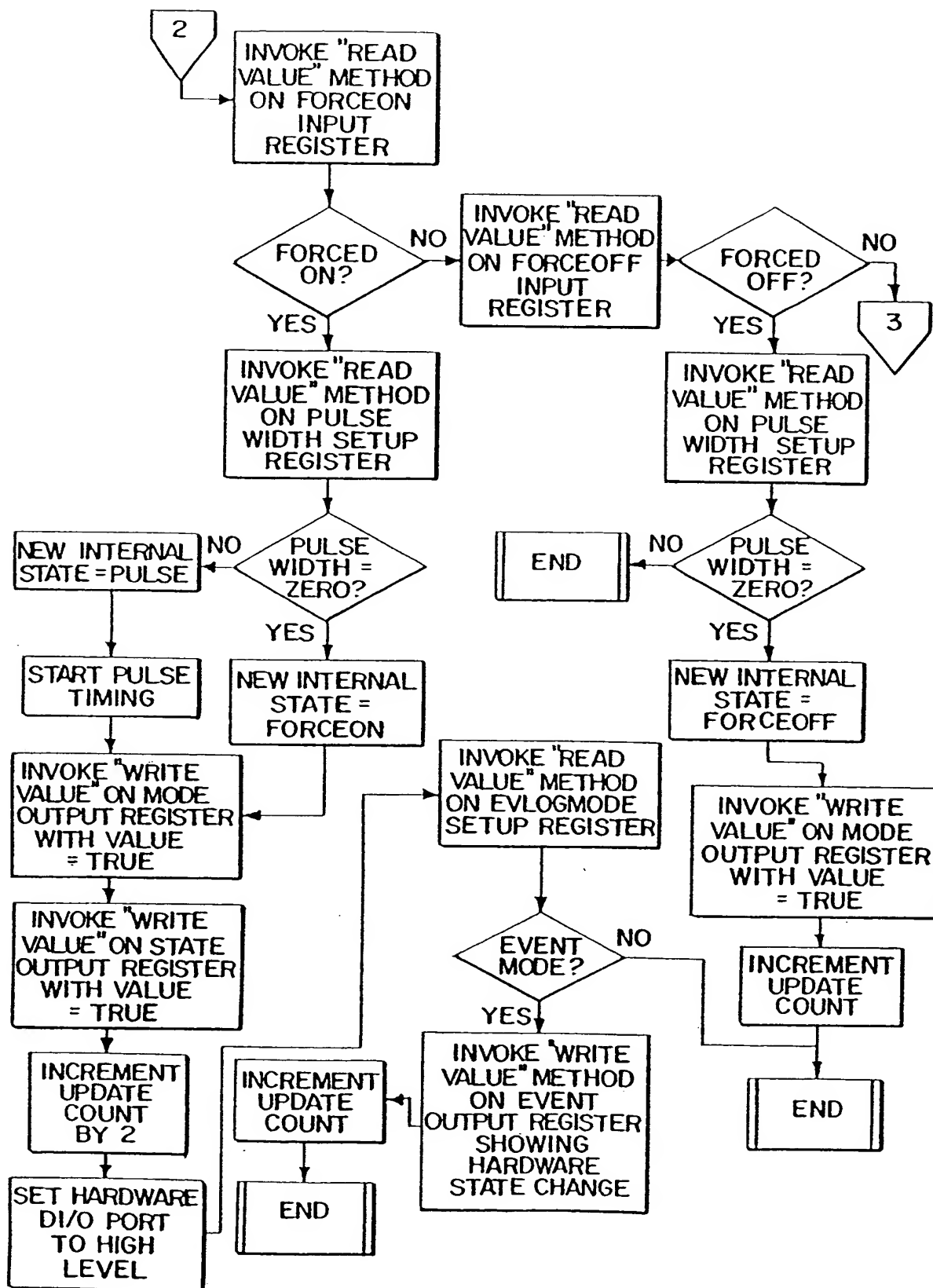


FIG. 16B



31 9 07

FIG. 16C

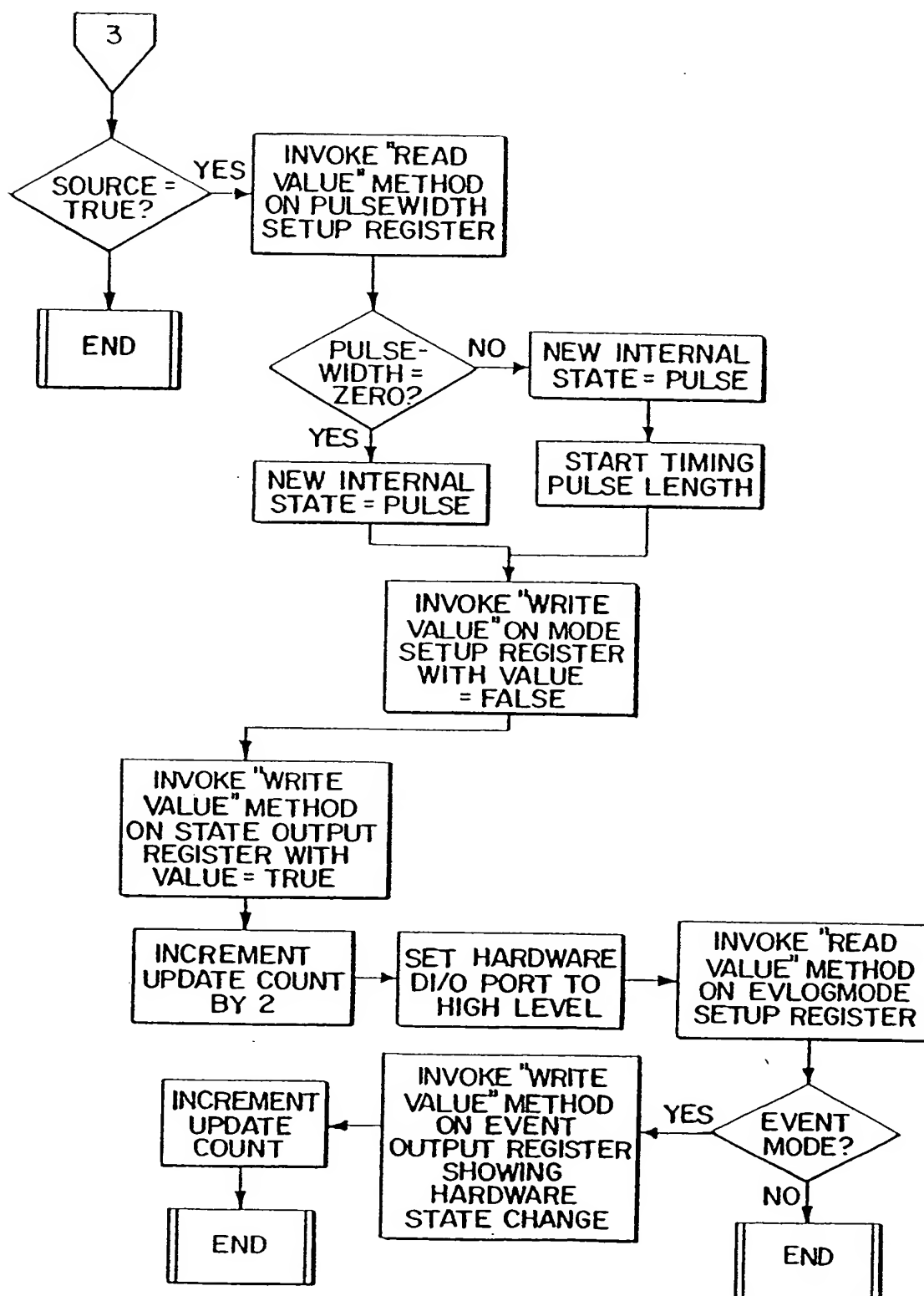


FIG. 16D

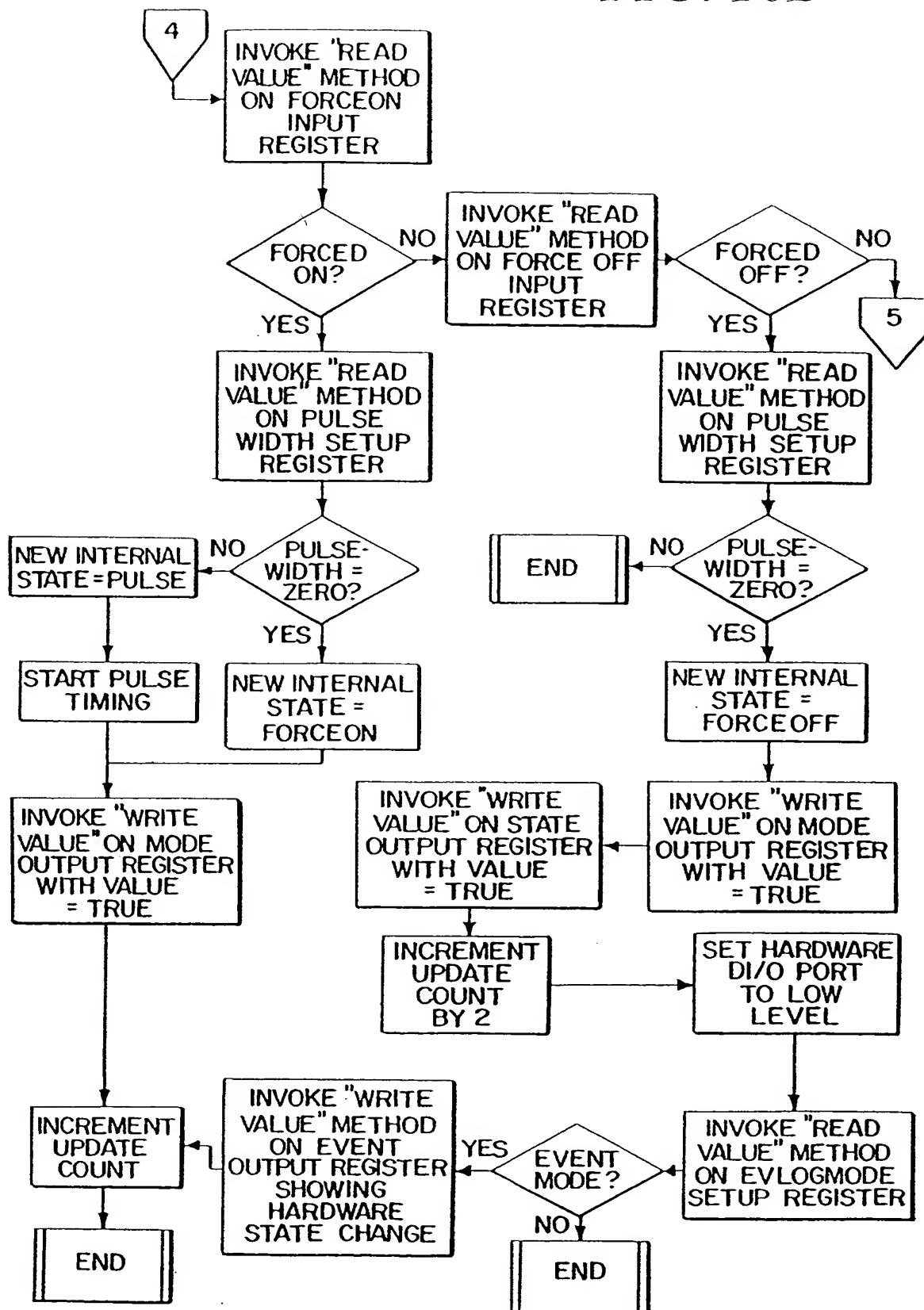


FIG. 16E

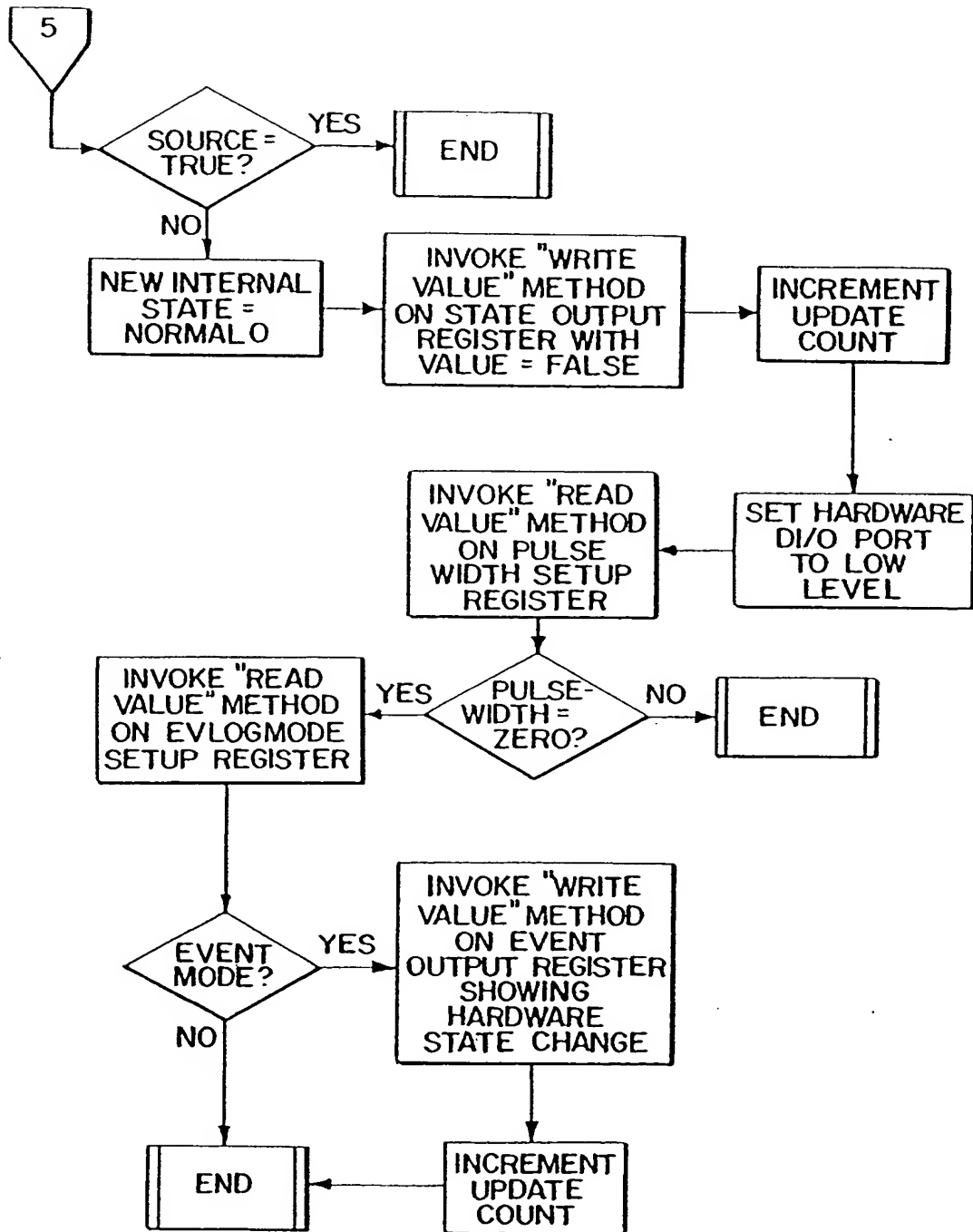


FIG. 16F

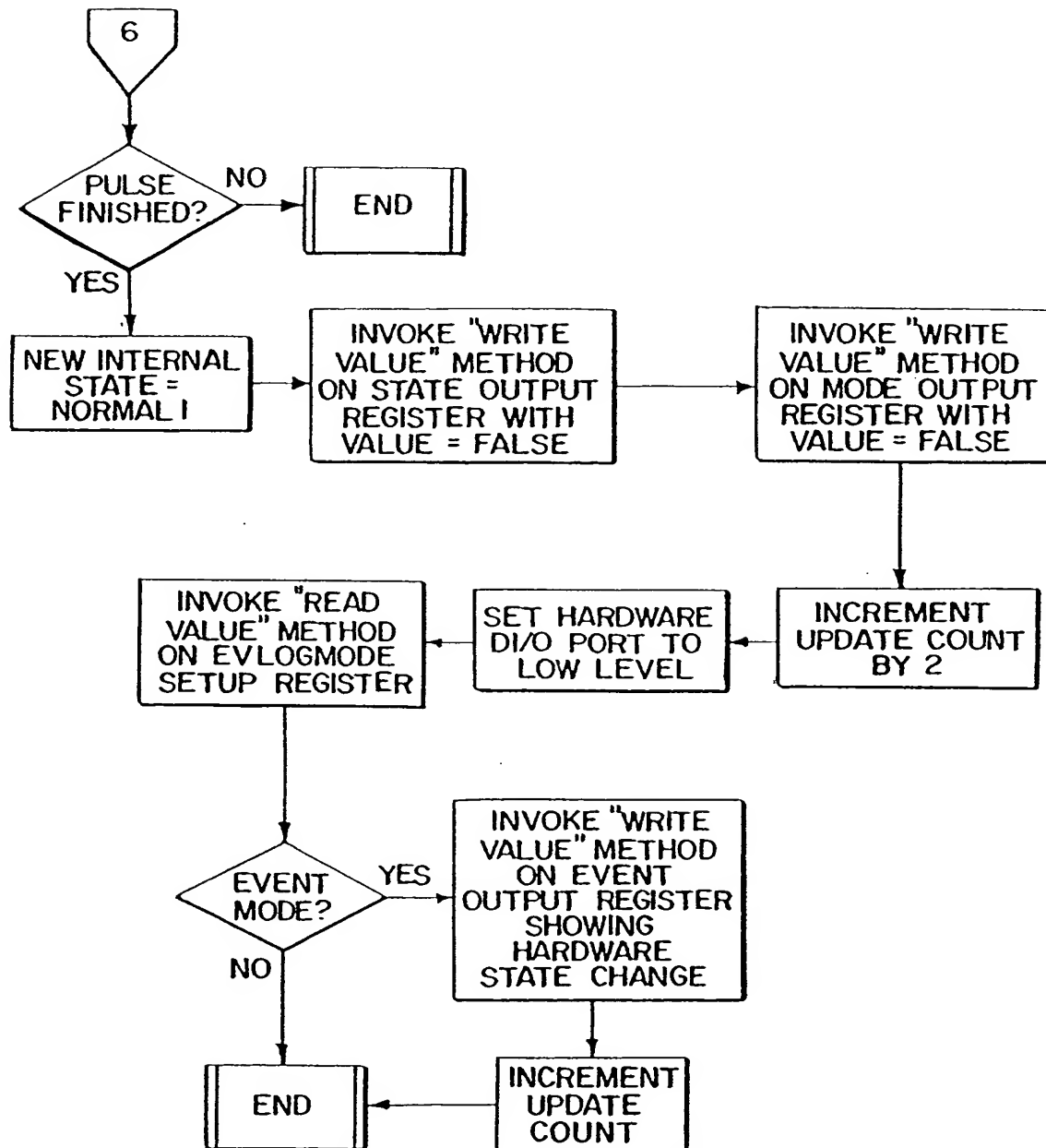


FIG. 16G

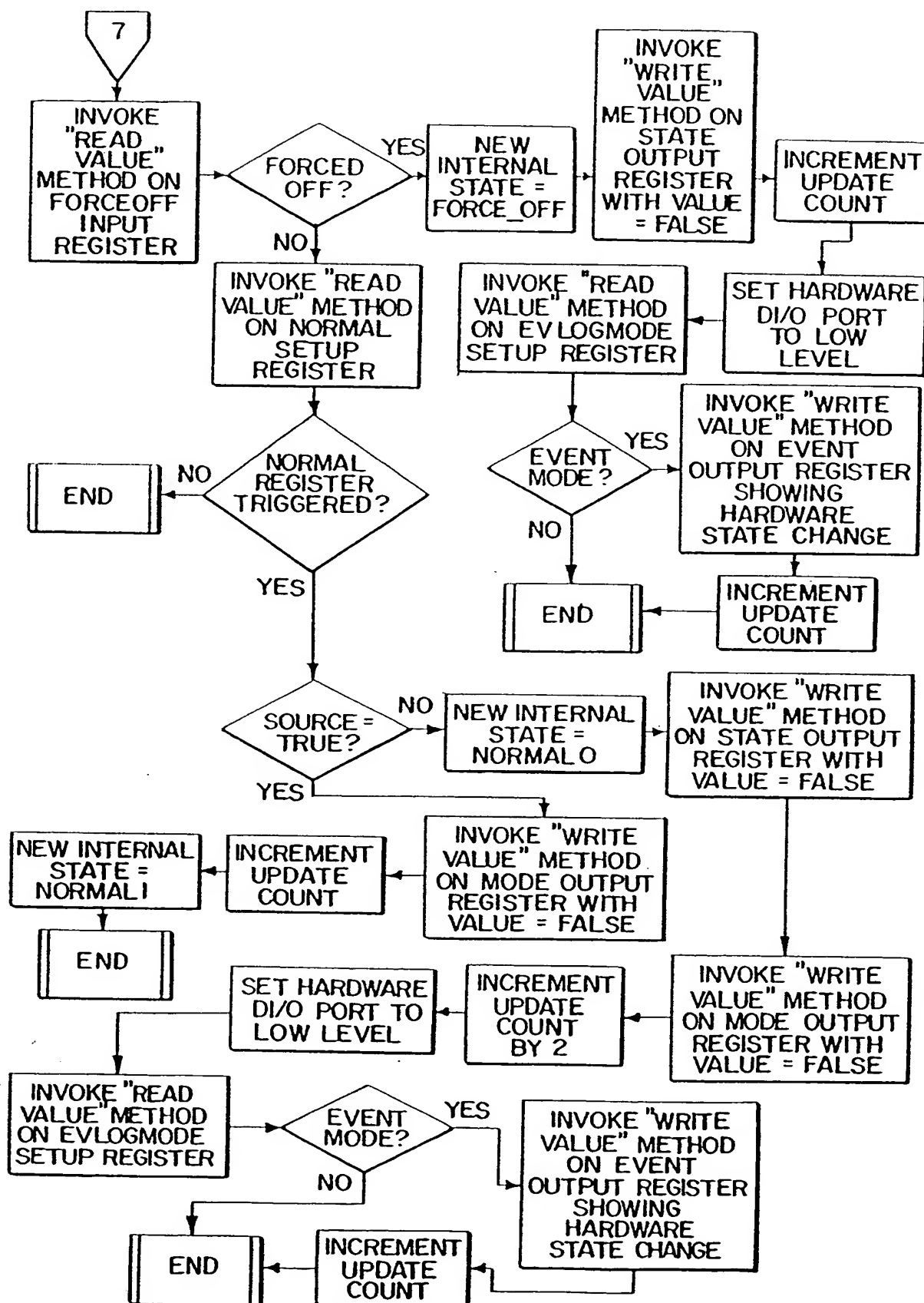


FIG. 16H

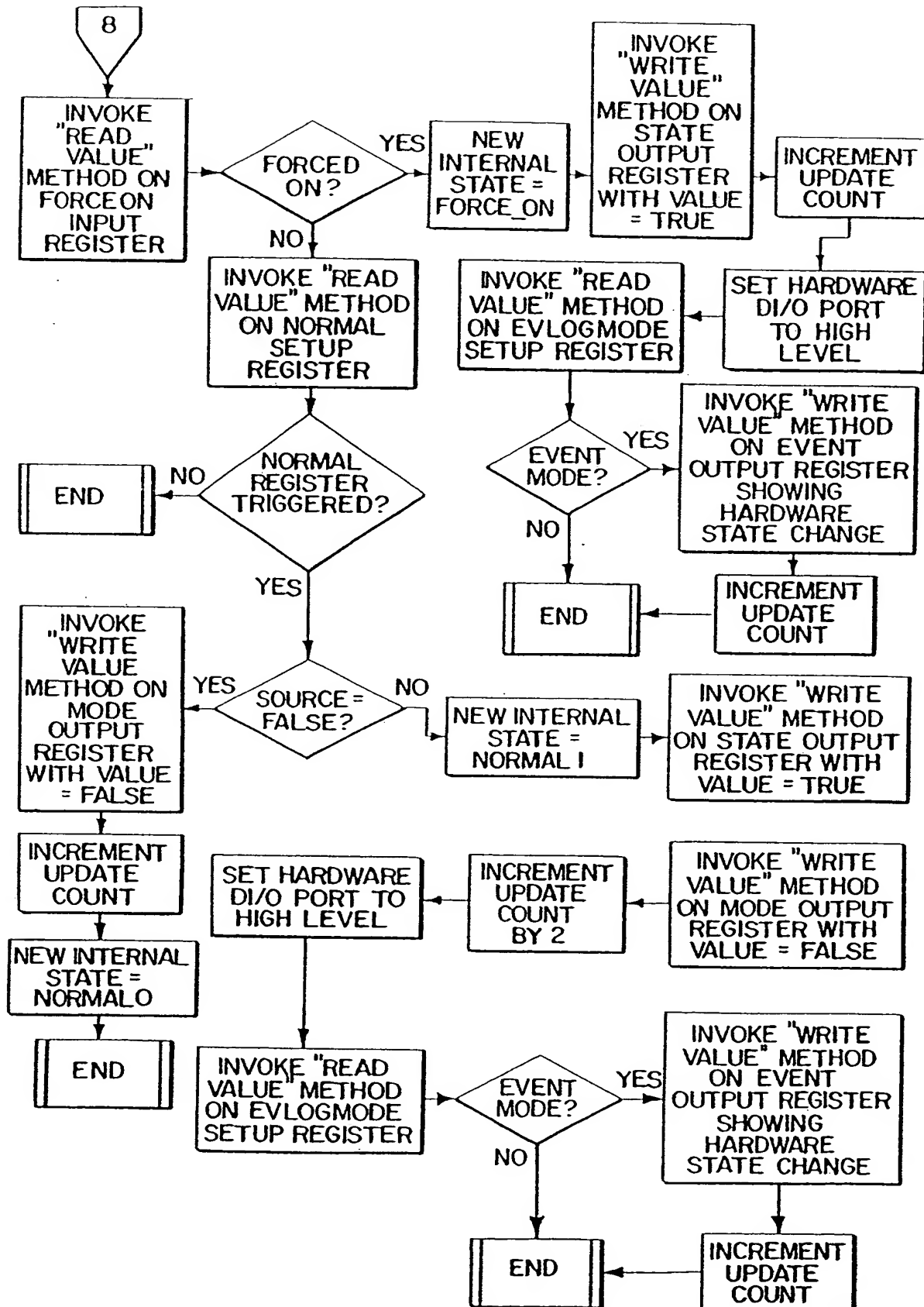




FIG. 17

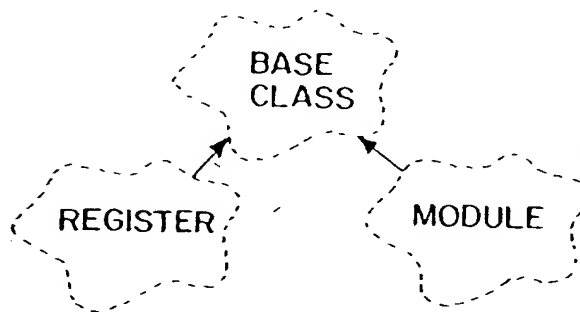


FIG. 17A

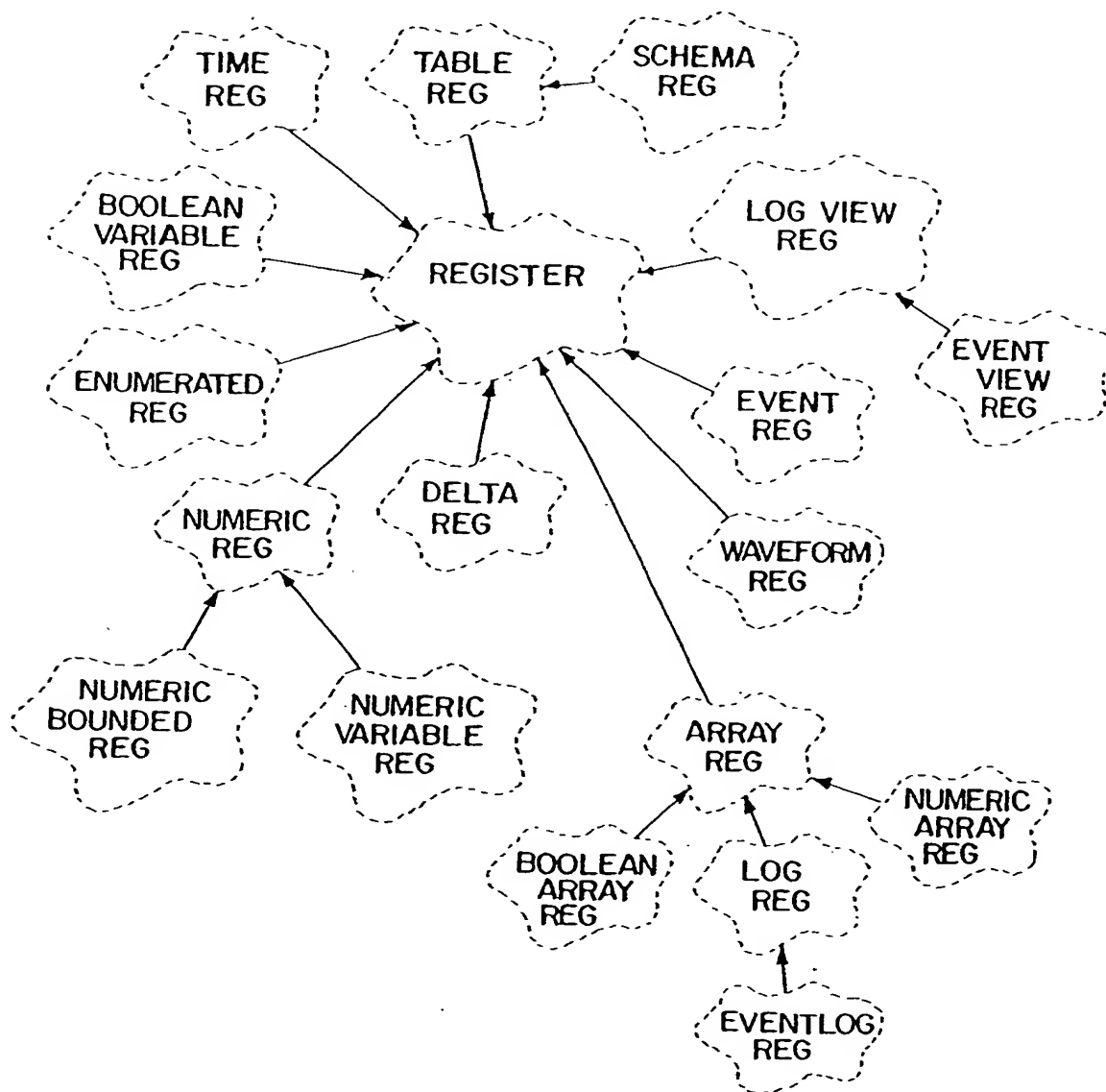


FIG. 17B

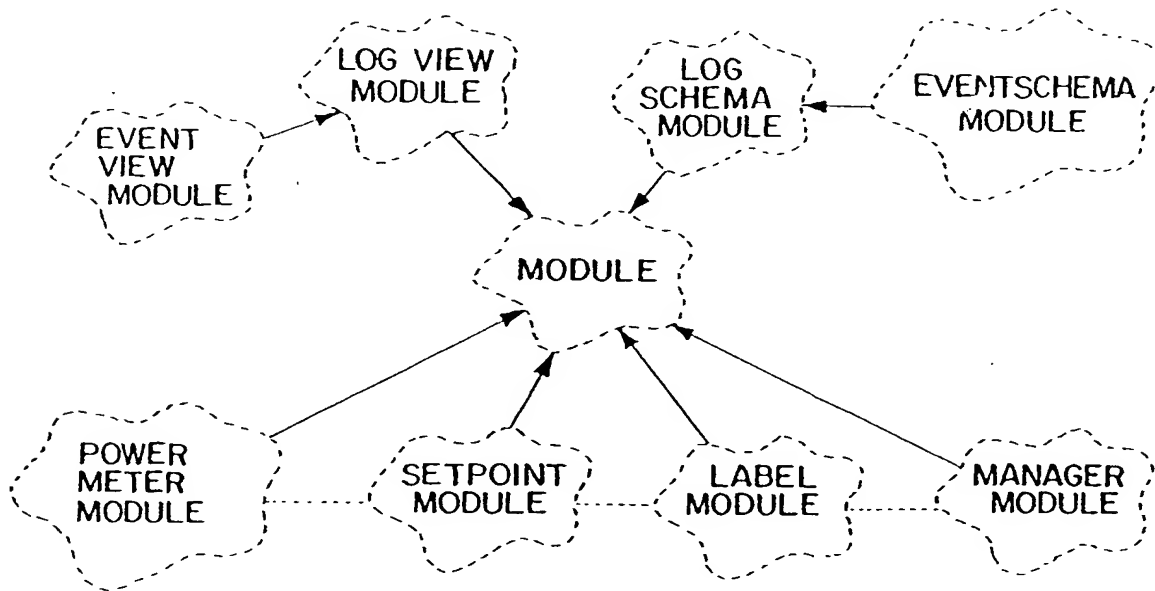
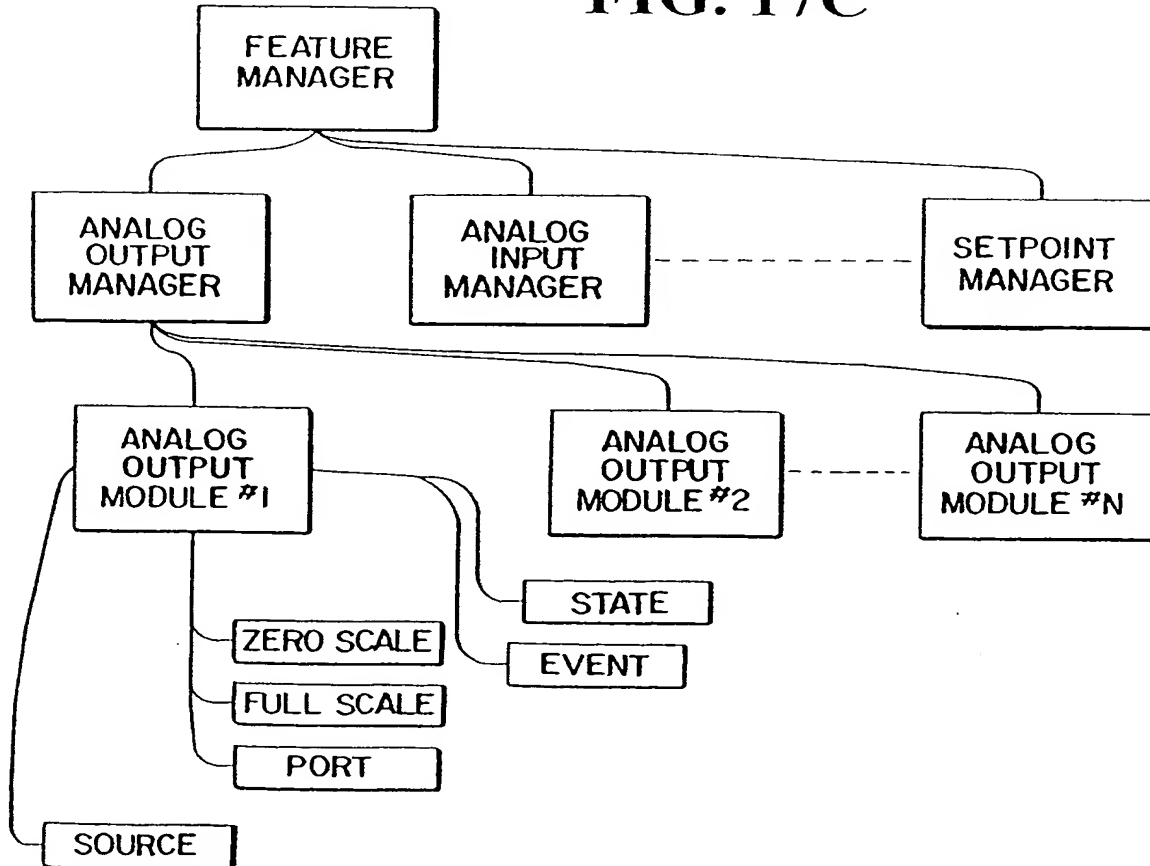


FIG. 17C



34 9 307

FIG. 18

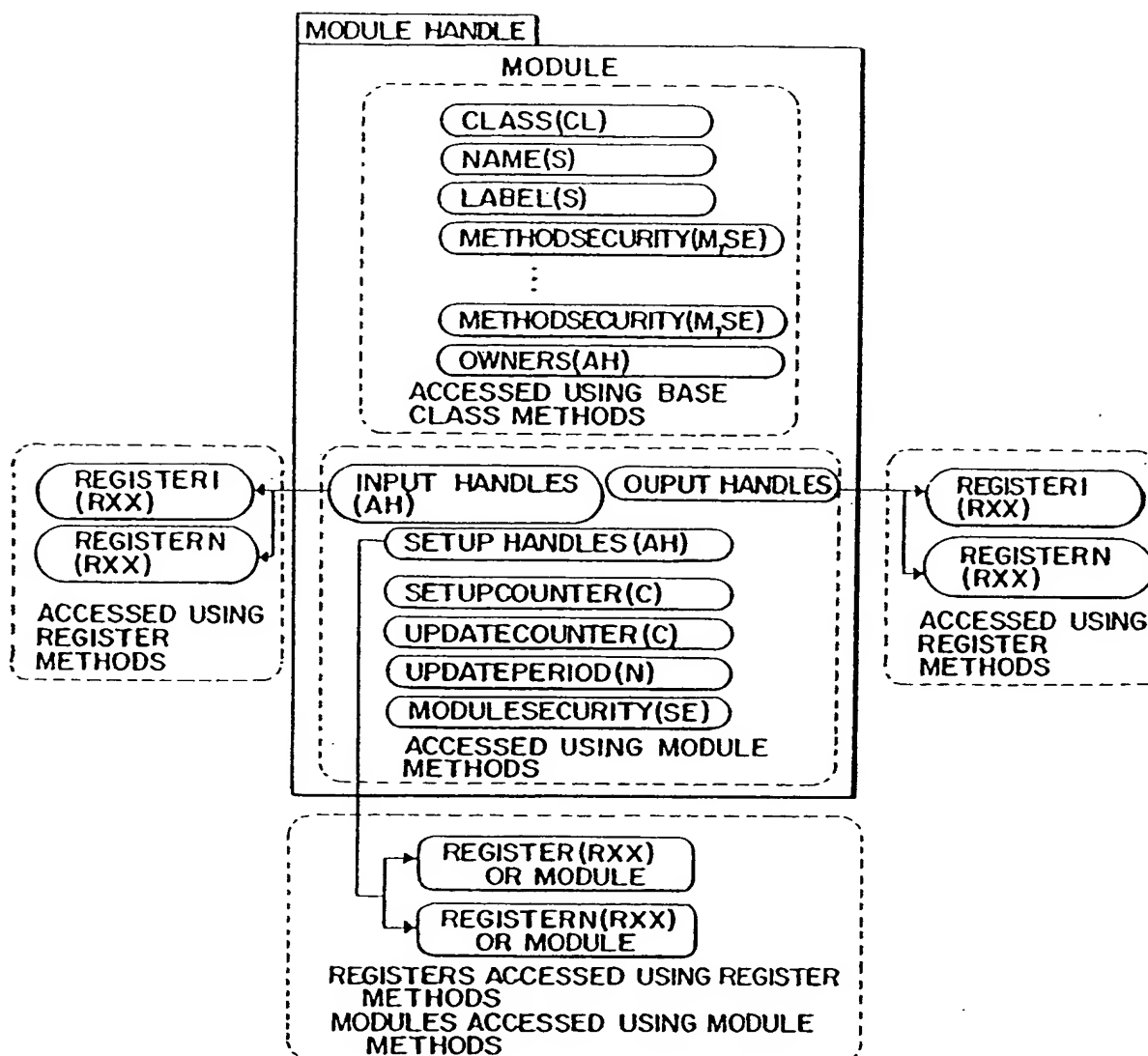


FIG. 19

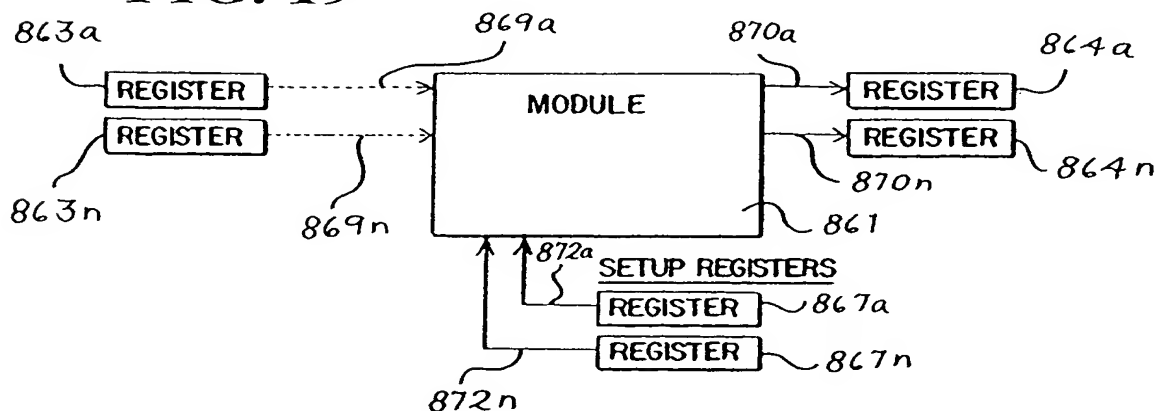


FIG. 19A

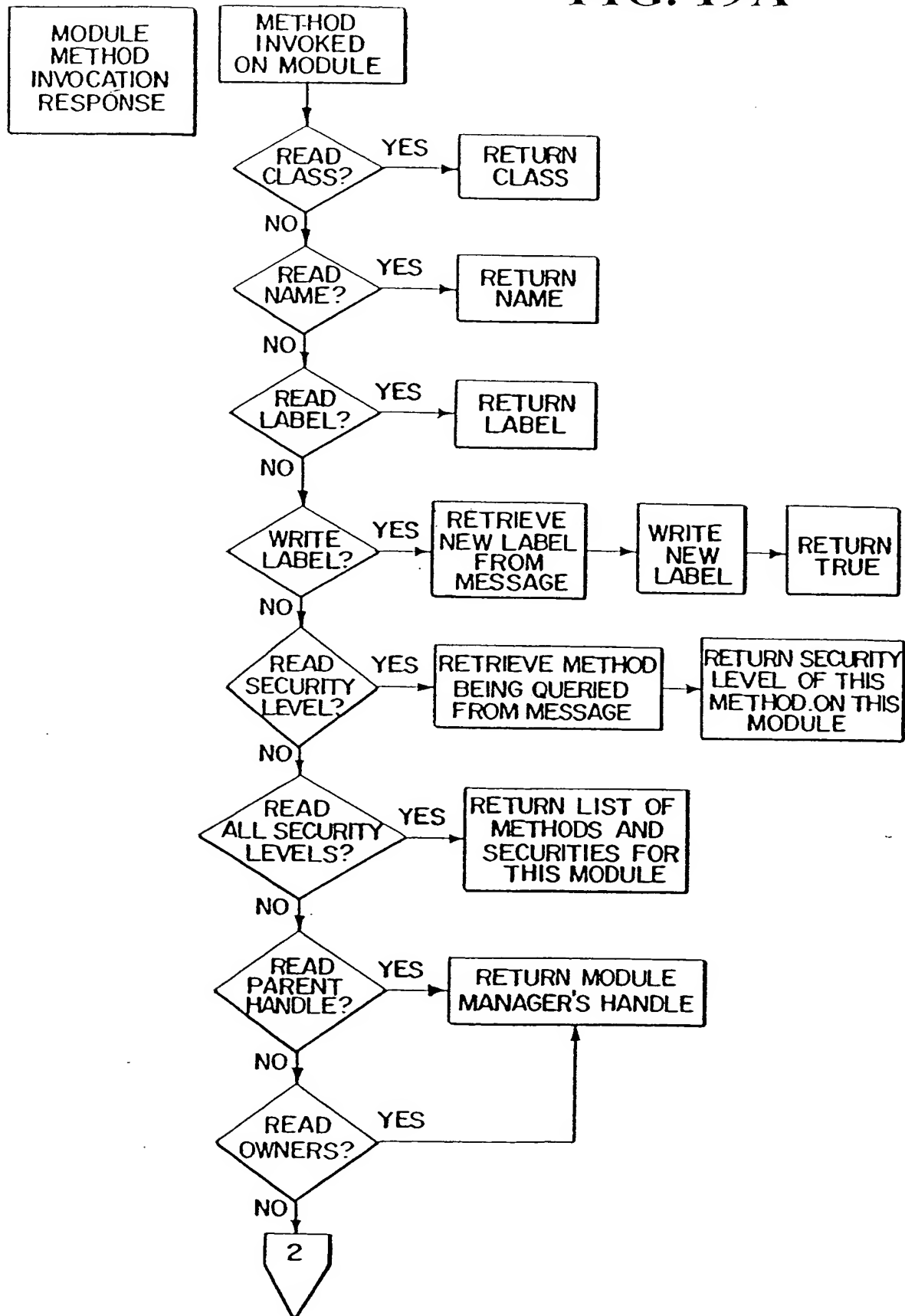


FIG. 19B

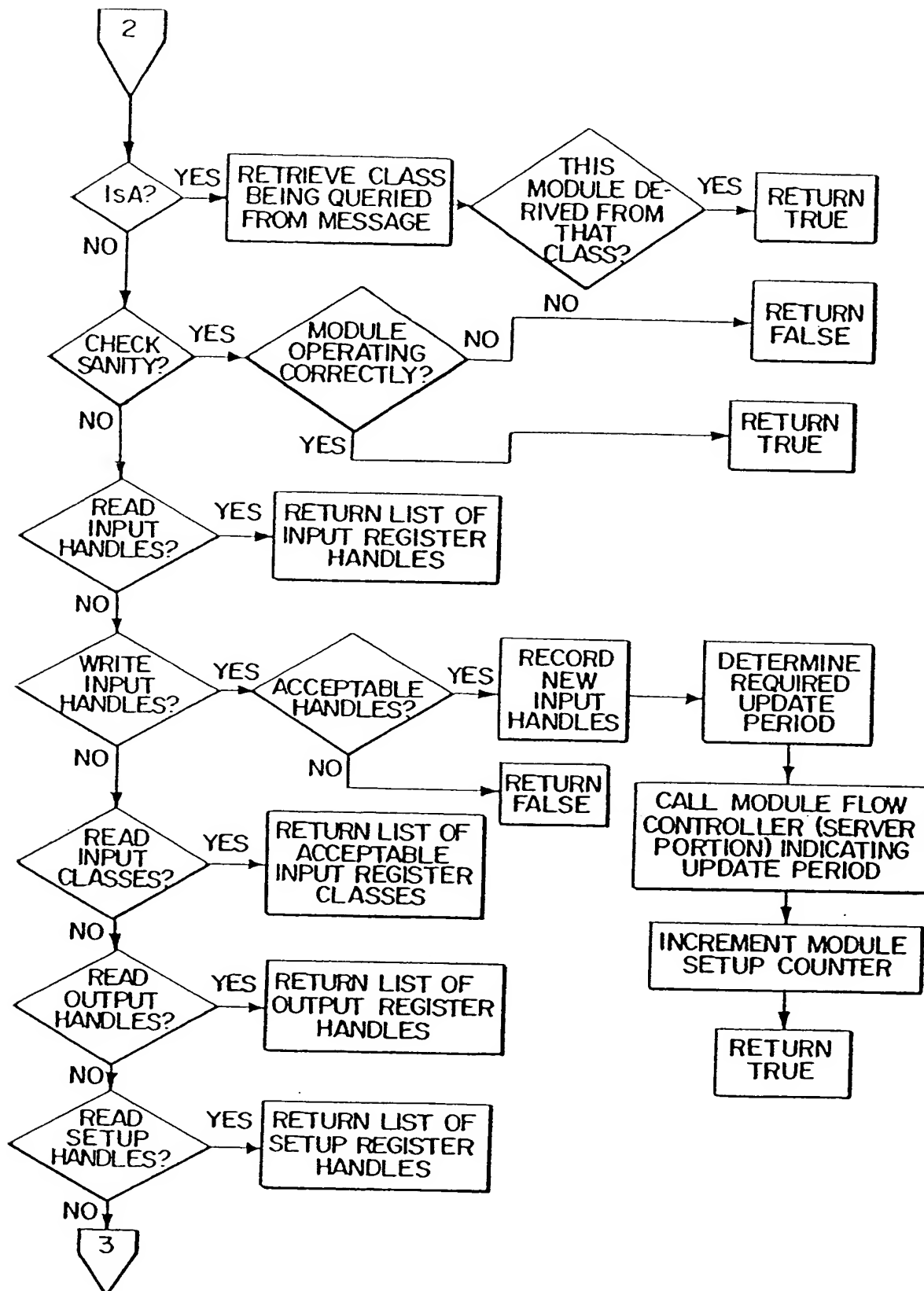


FIG. 19C

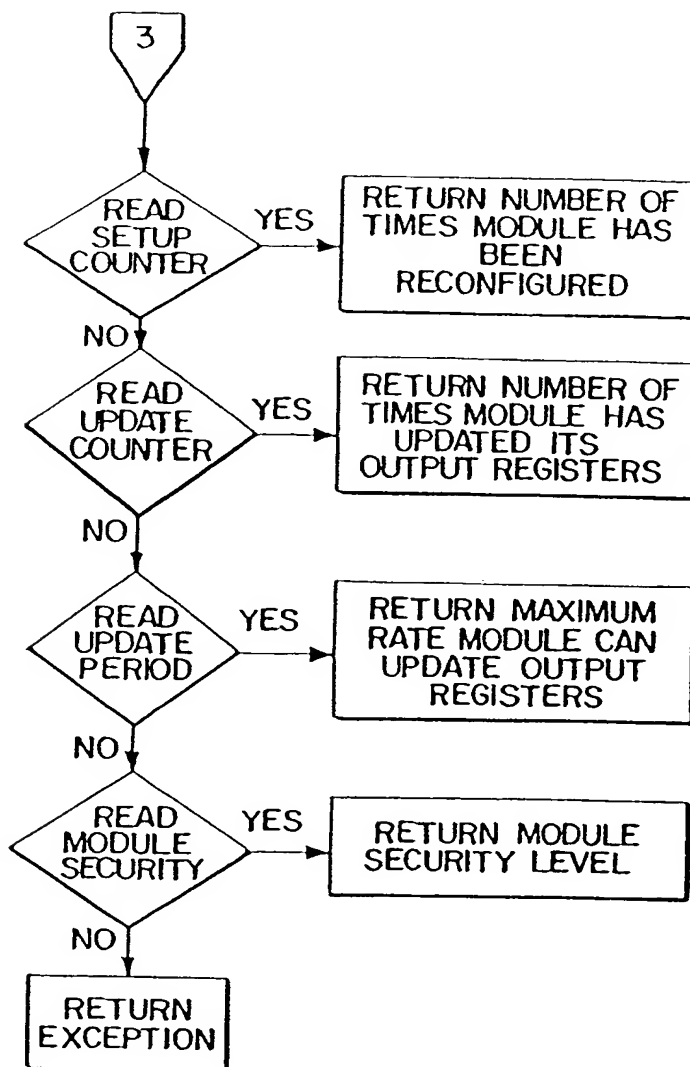


FIG. 20

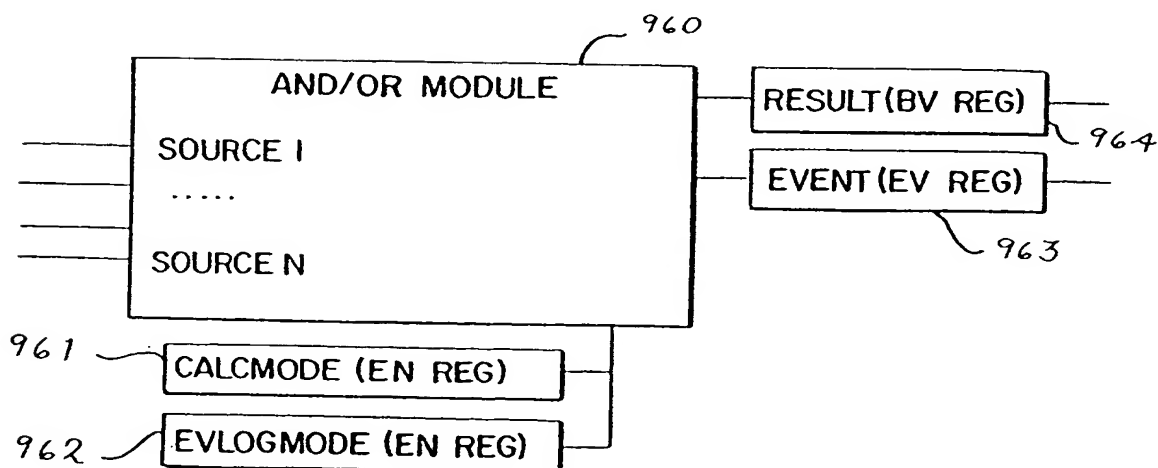


FIG. 20A

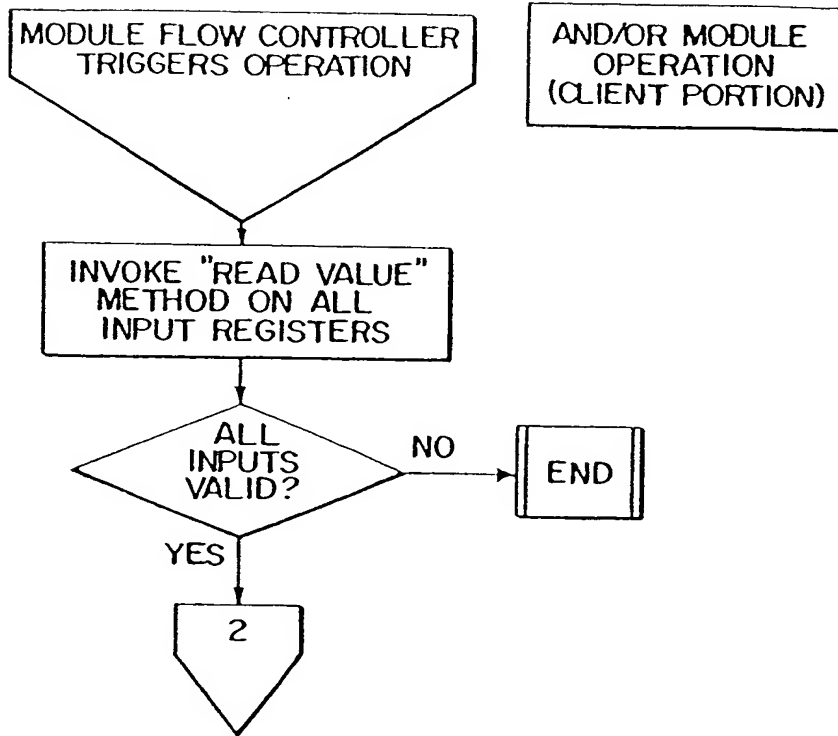
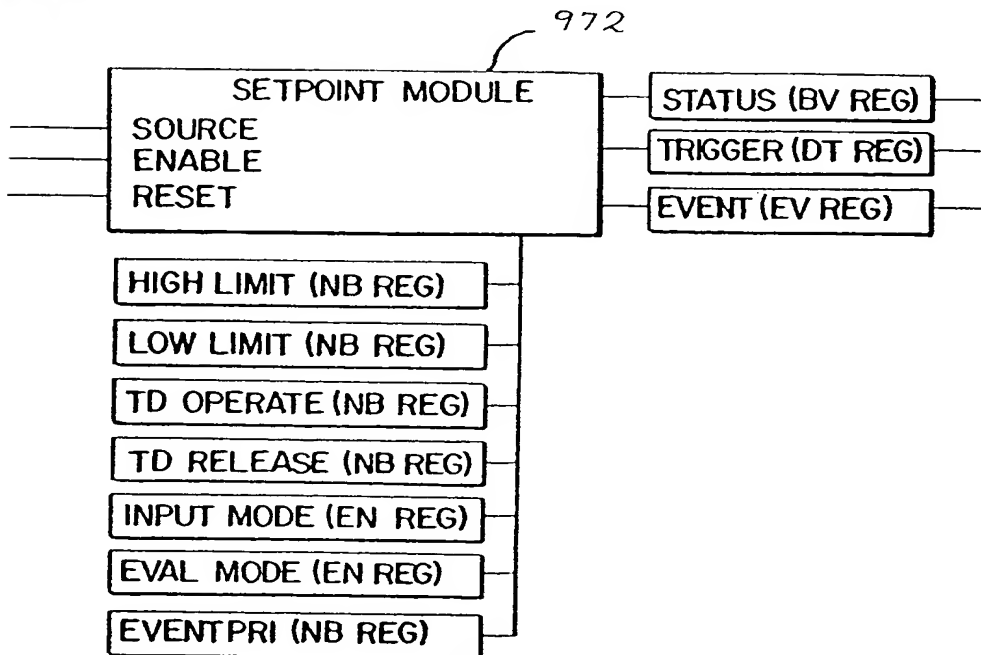


FIG. 21



44 8 207

FIG. 20B

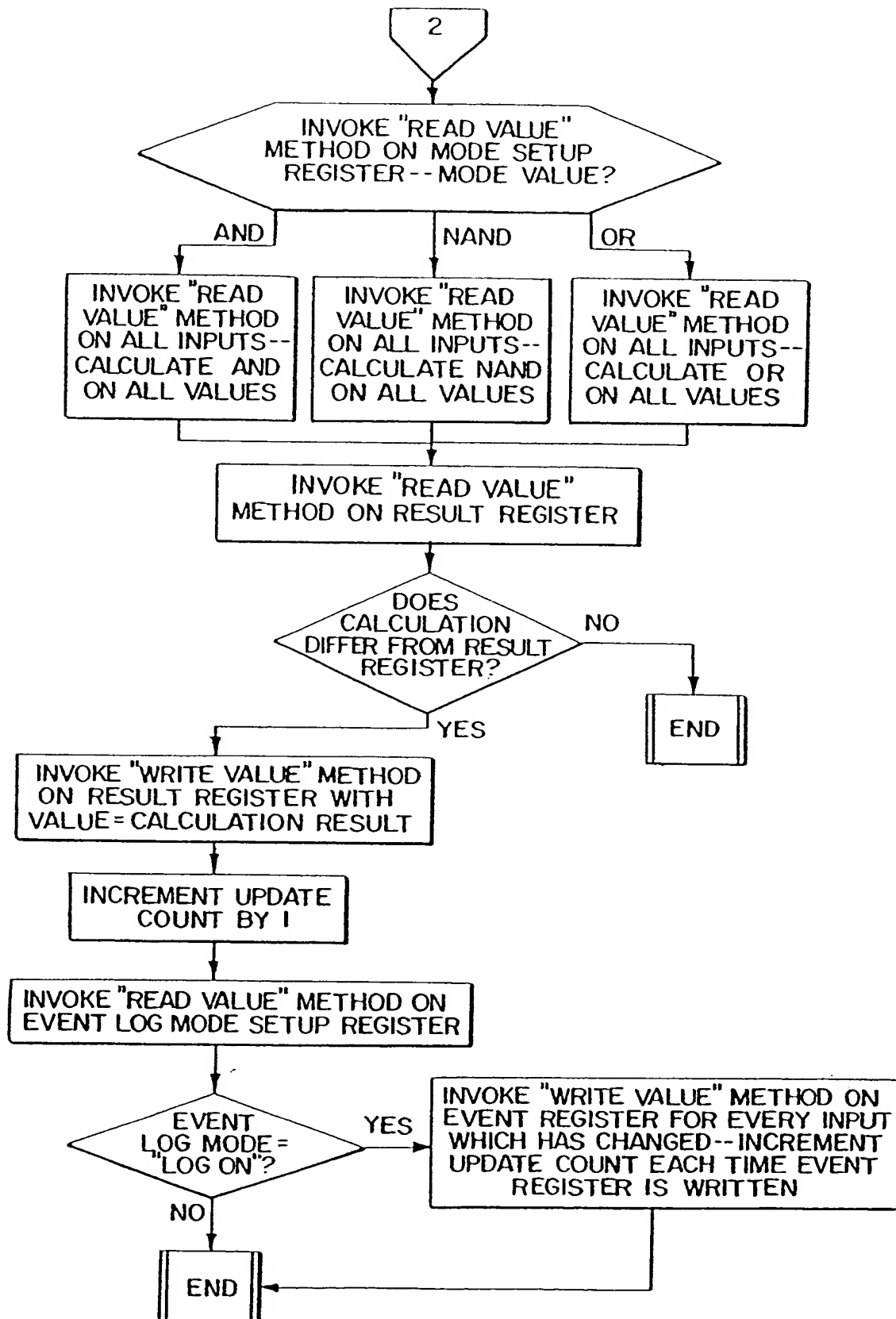




FIG. 21A

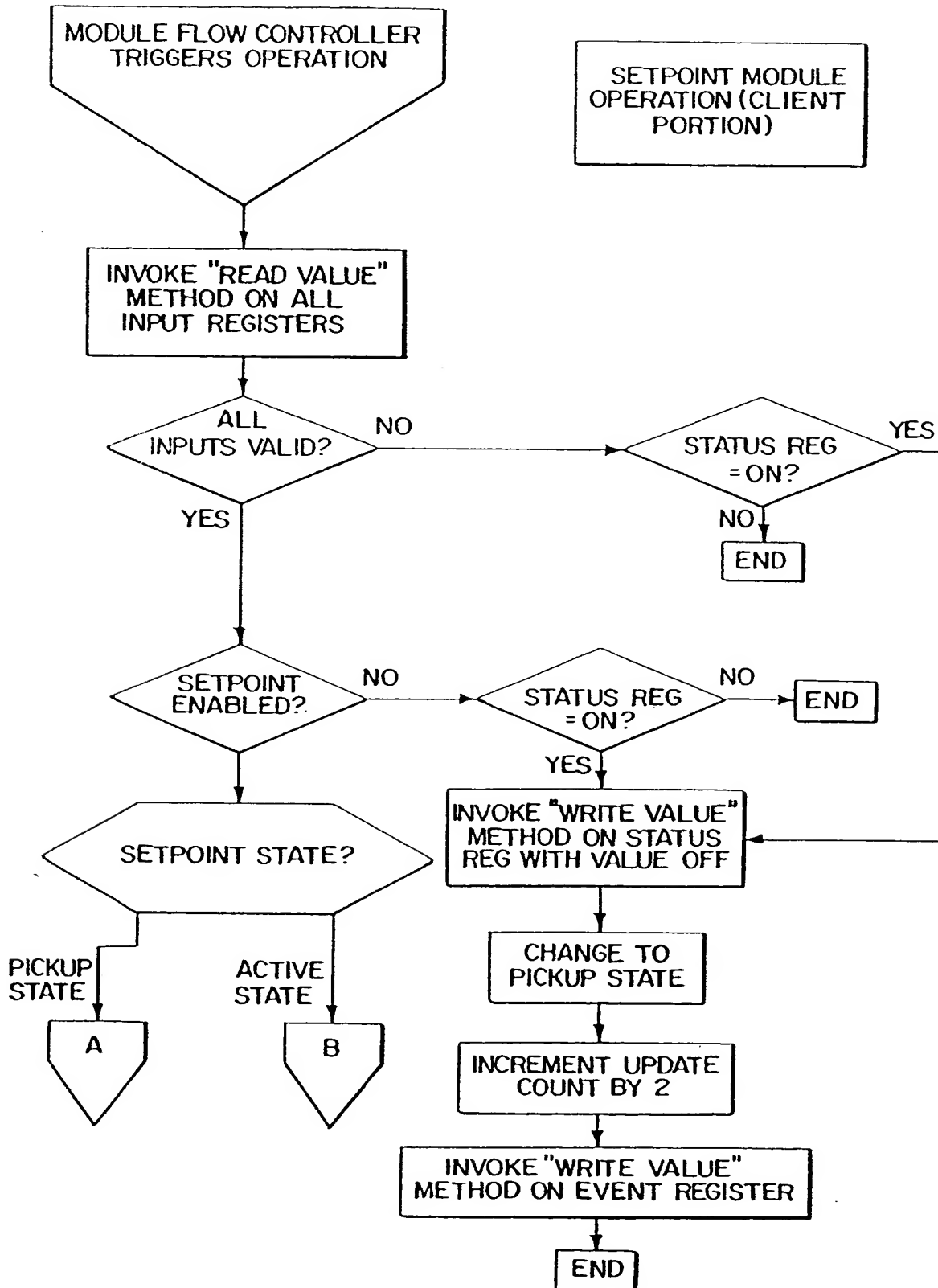


FIG. 21B

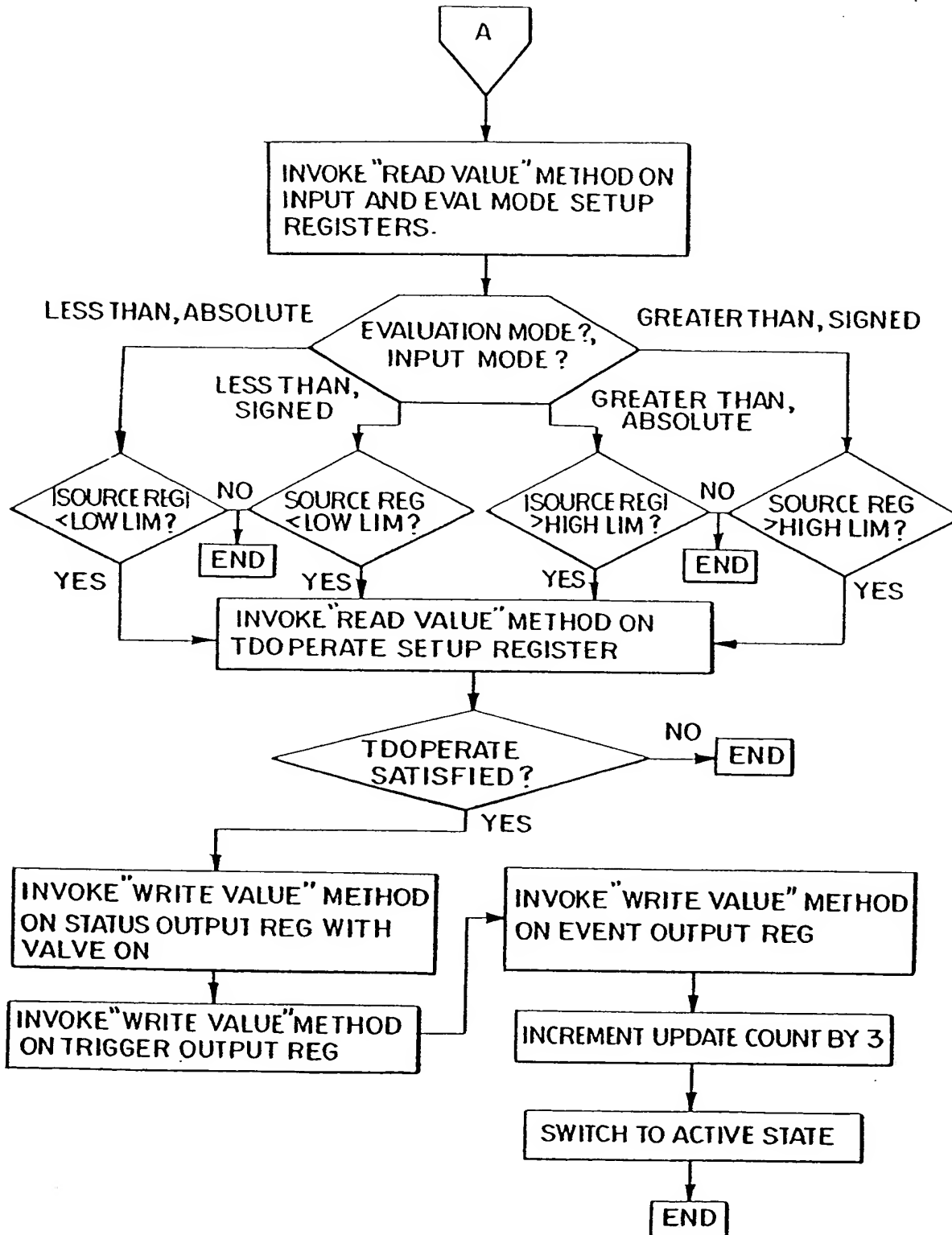


FIG. 21C

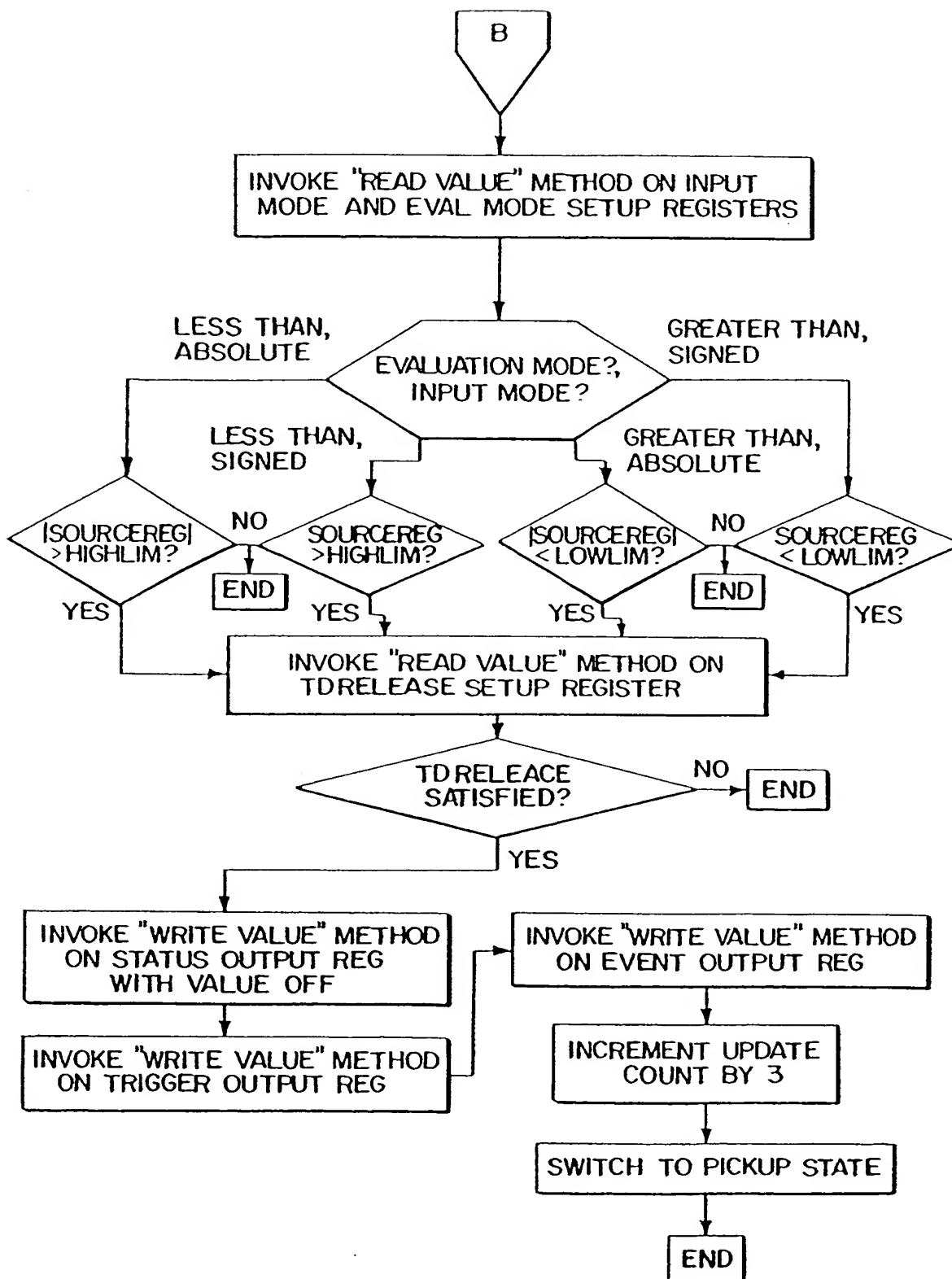


FIG. 22

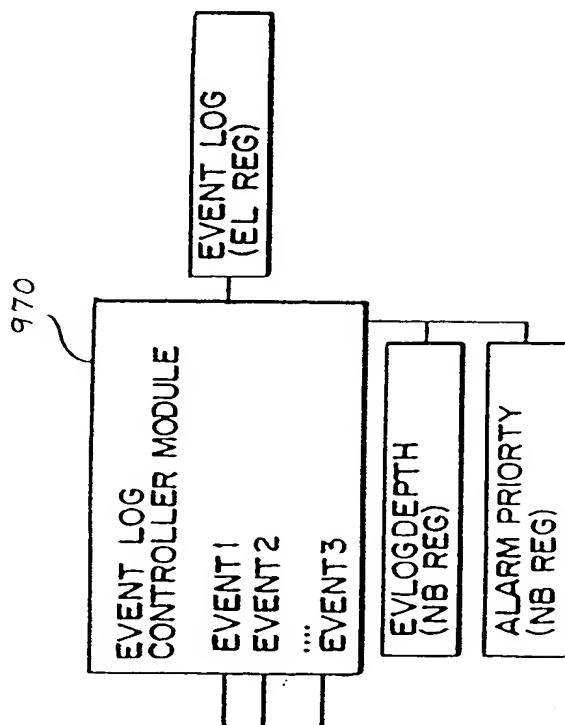
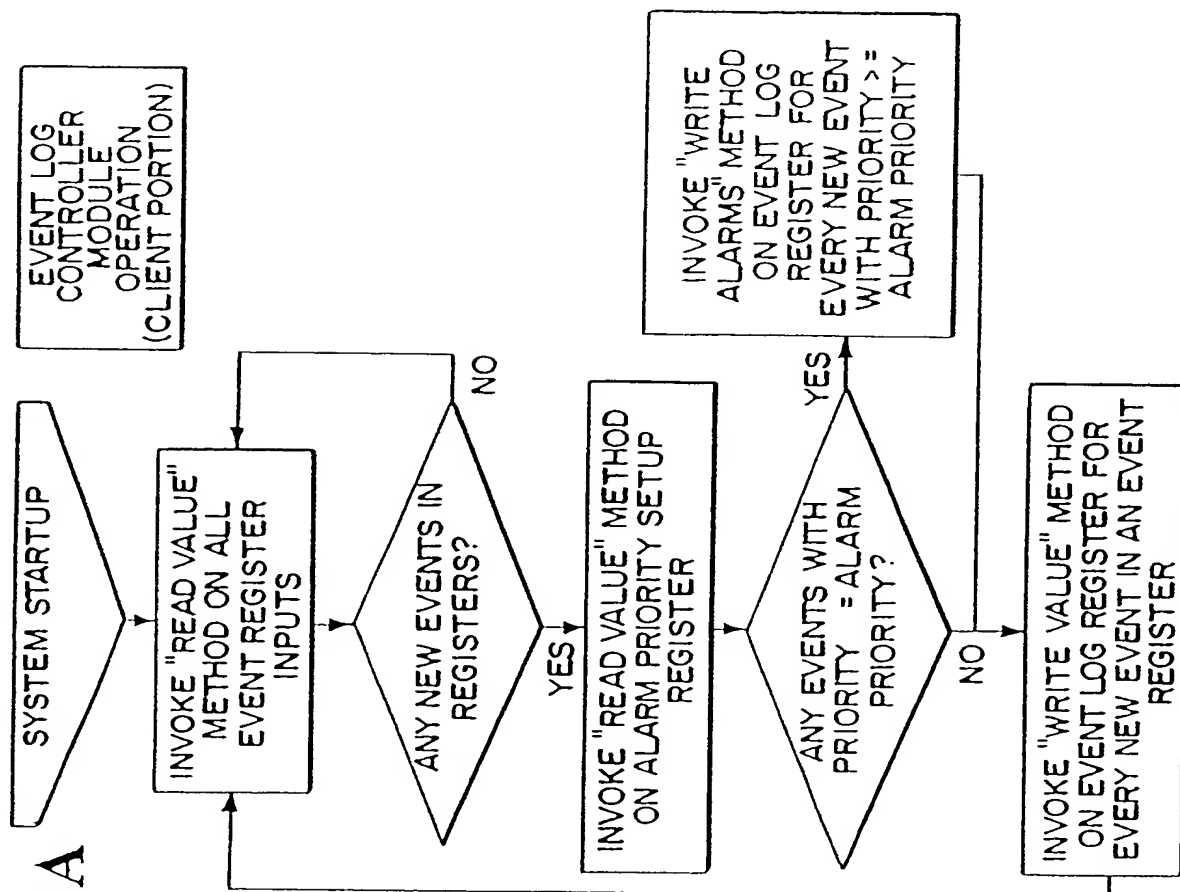


FIG. 22A



EVENT LOG CONTROLLER MODULE OPERATION (CLIENT PORTION)

FIG. 23

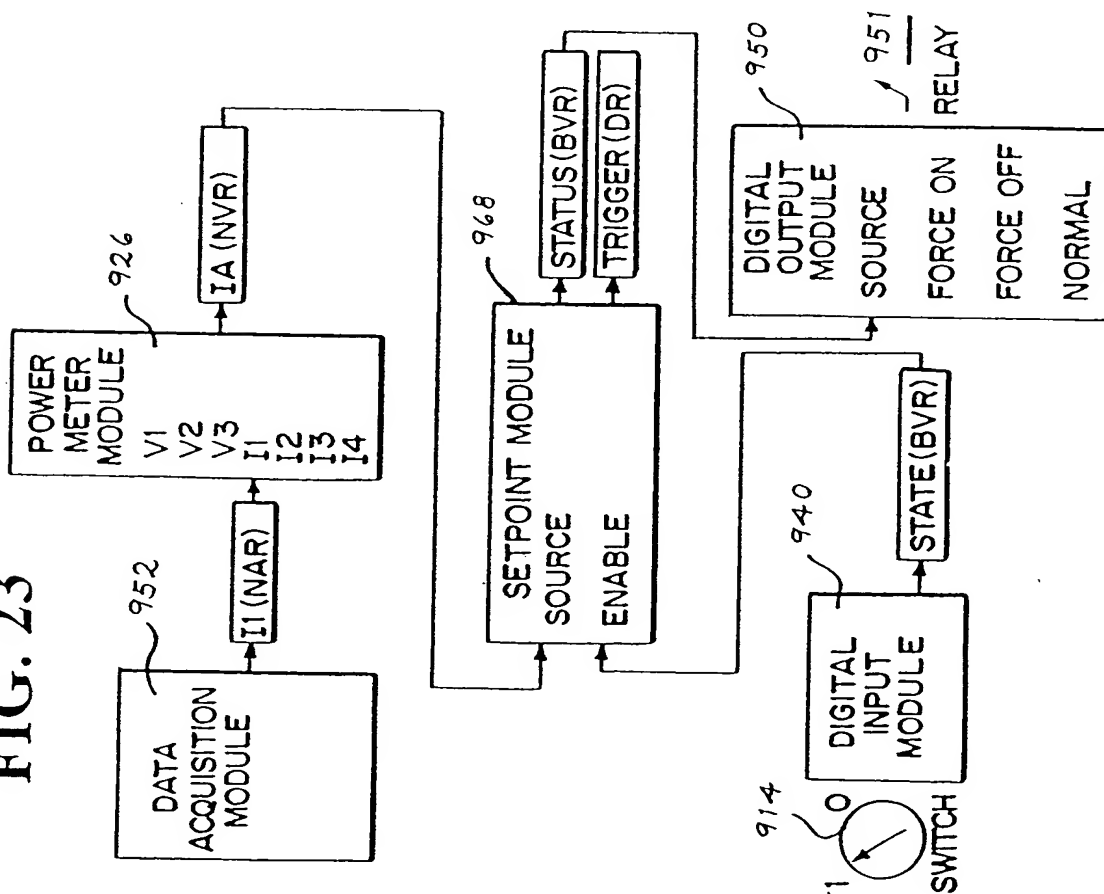


FIG. 24A

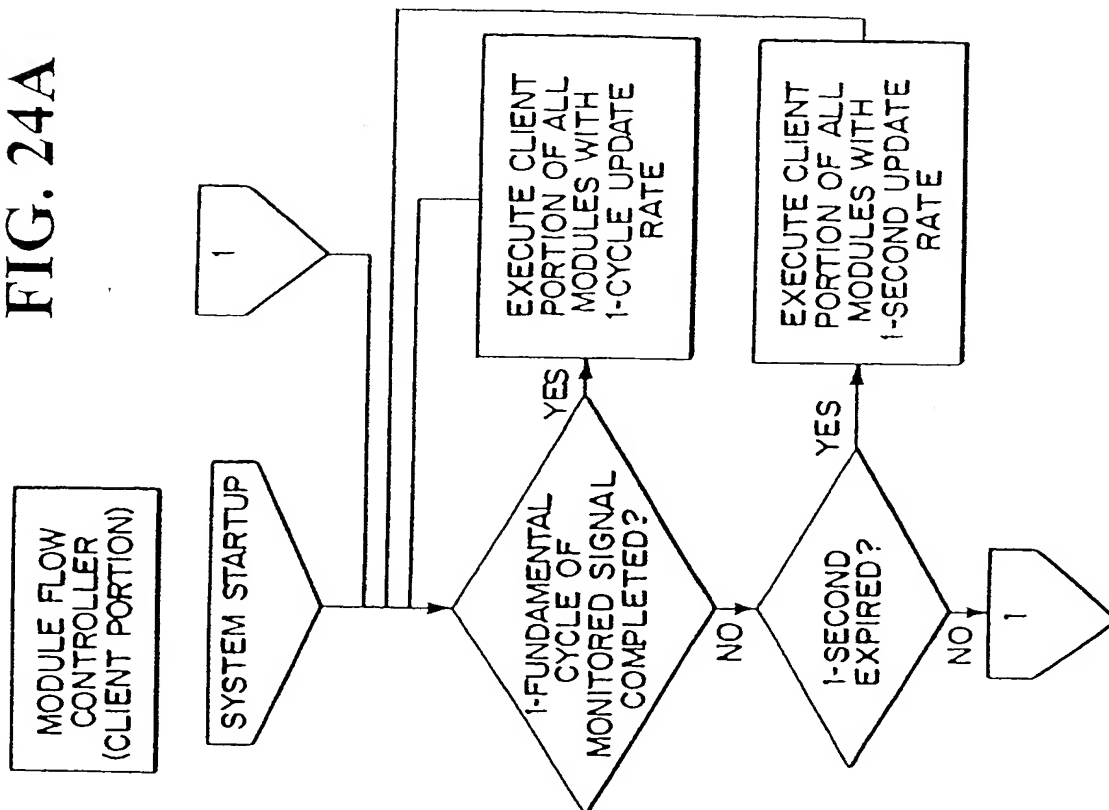


FIG. 25

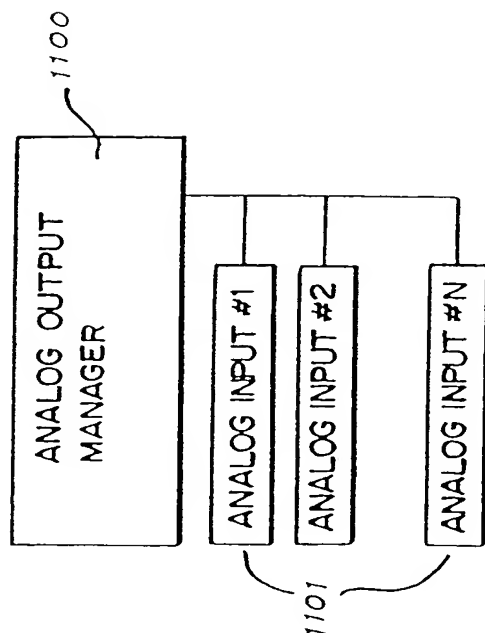
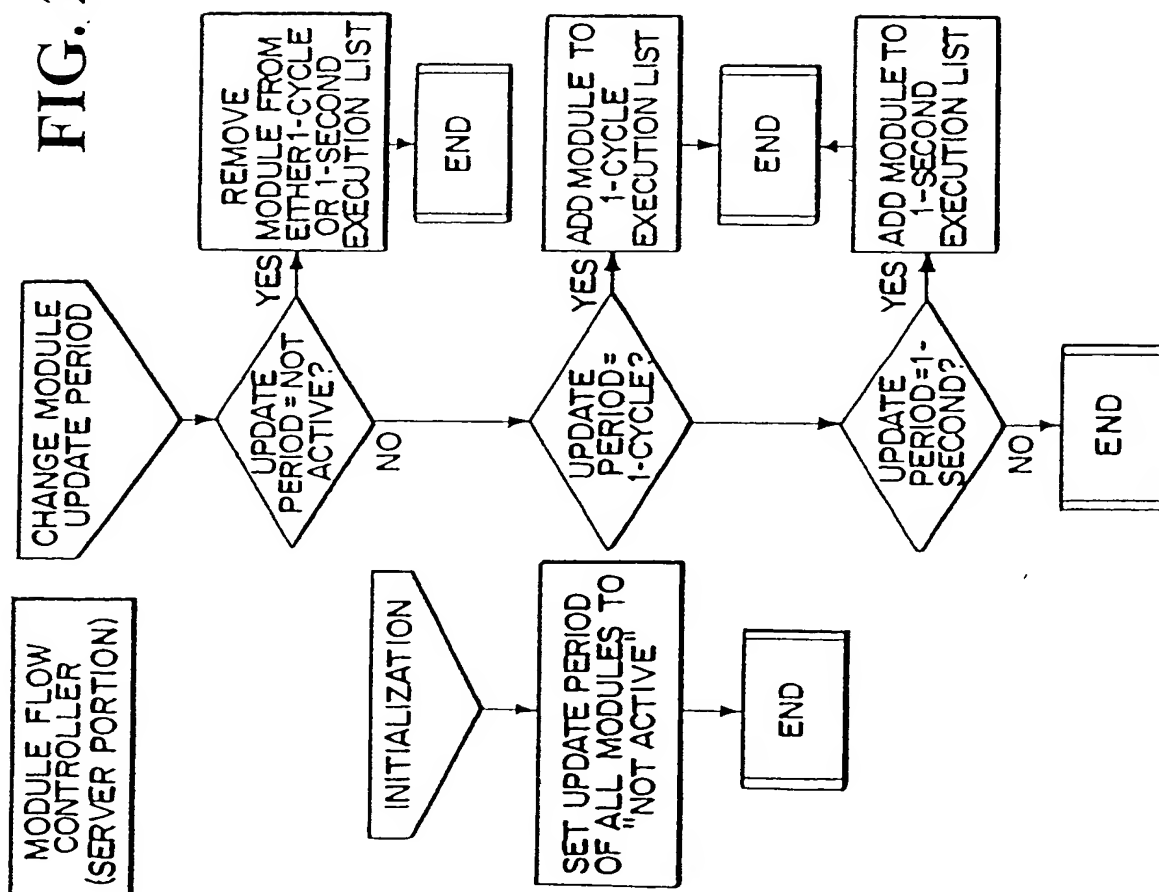


FIG. 24B



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FIG. 25A

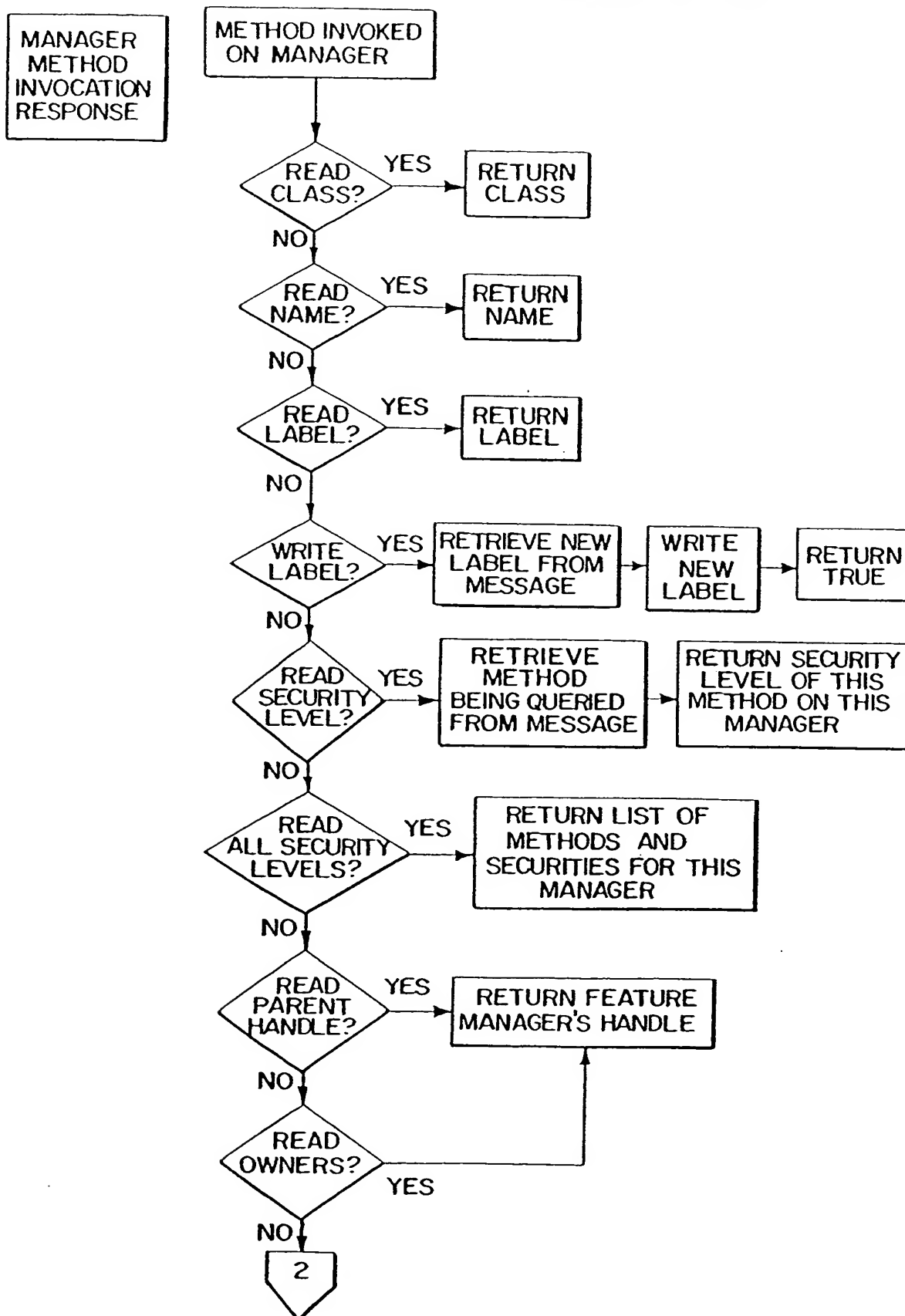
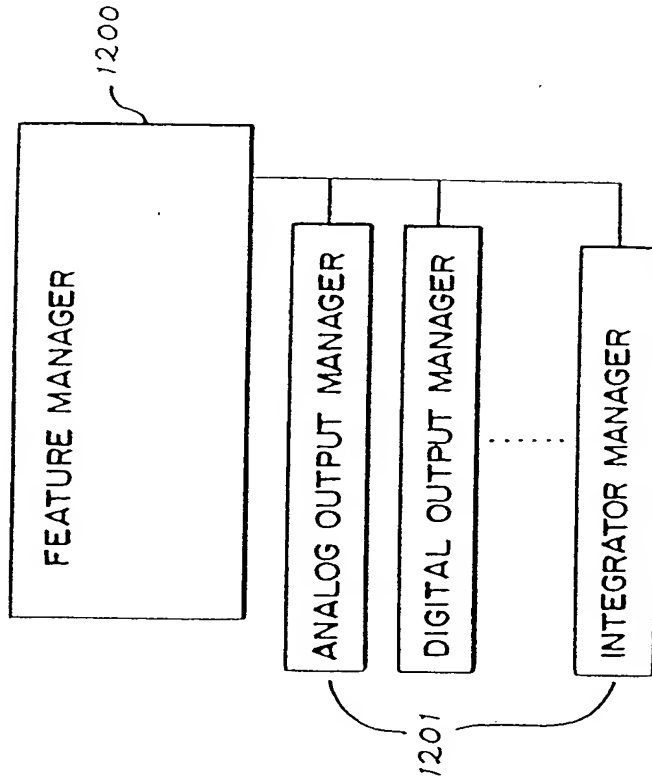


FIG. 26





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FIG. 26A

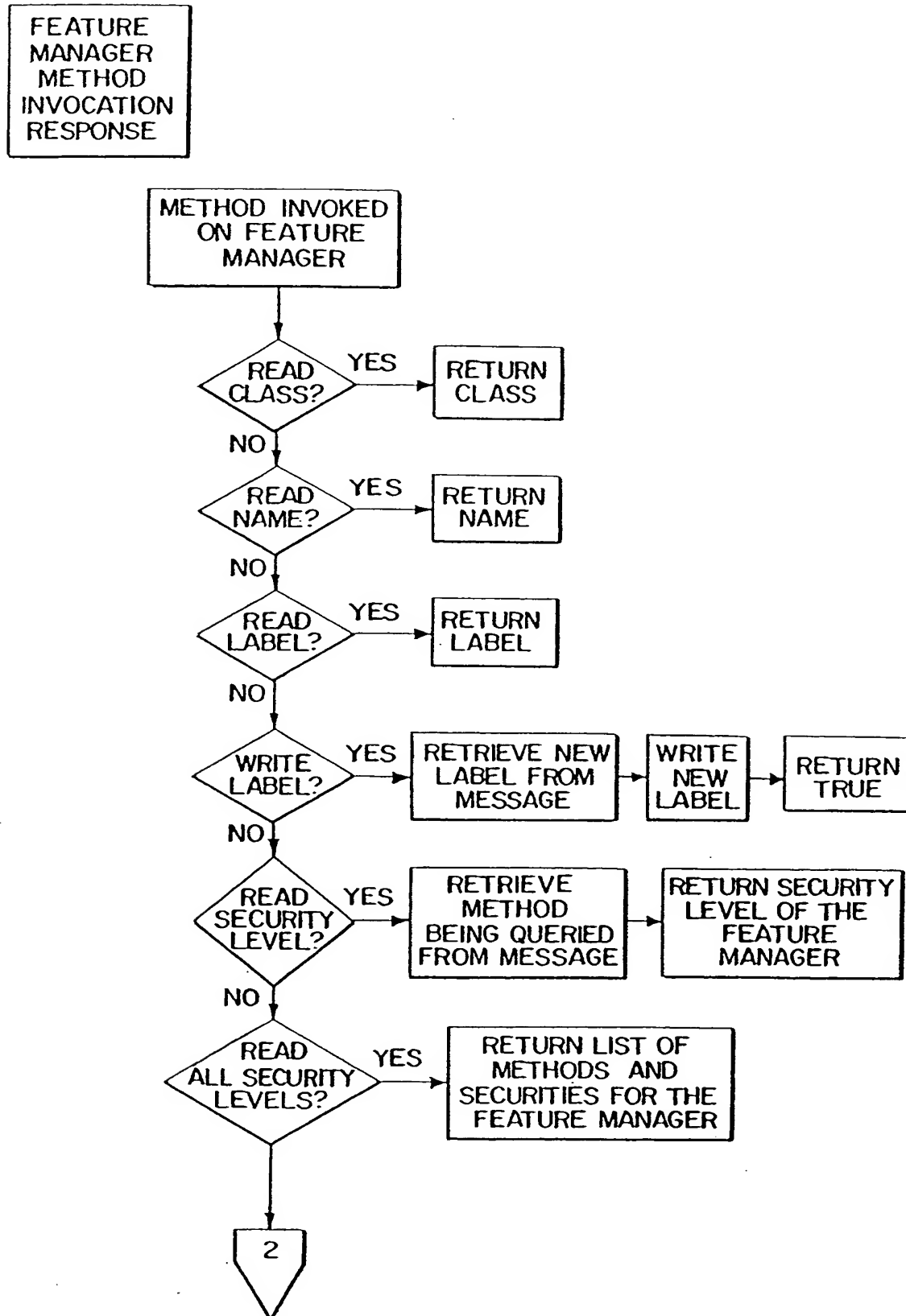
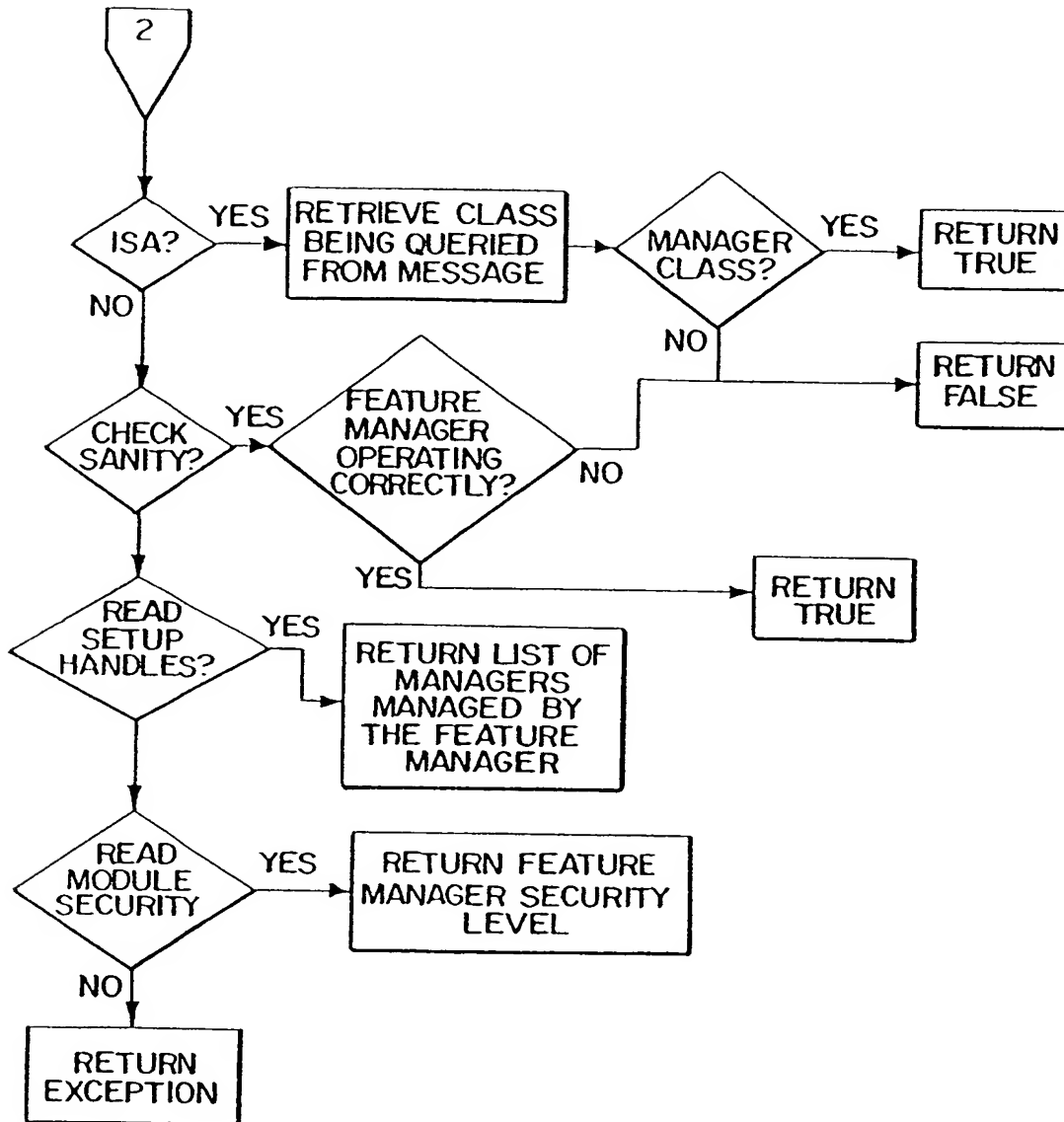


FIG. 26B



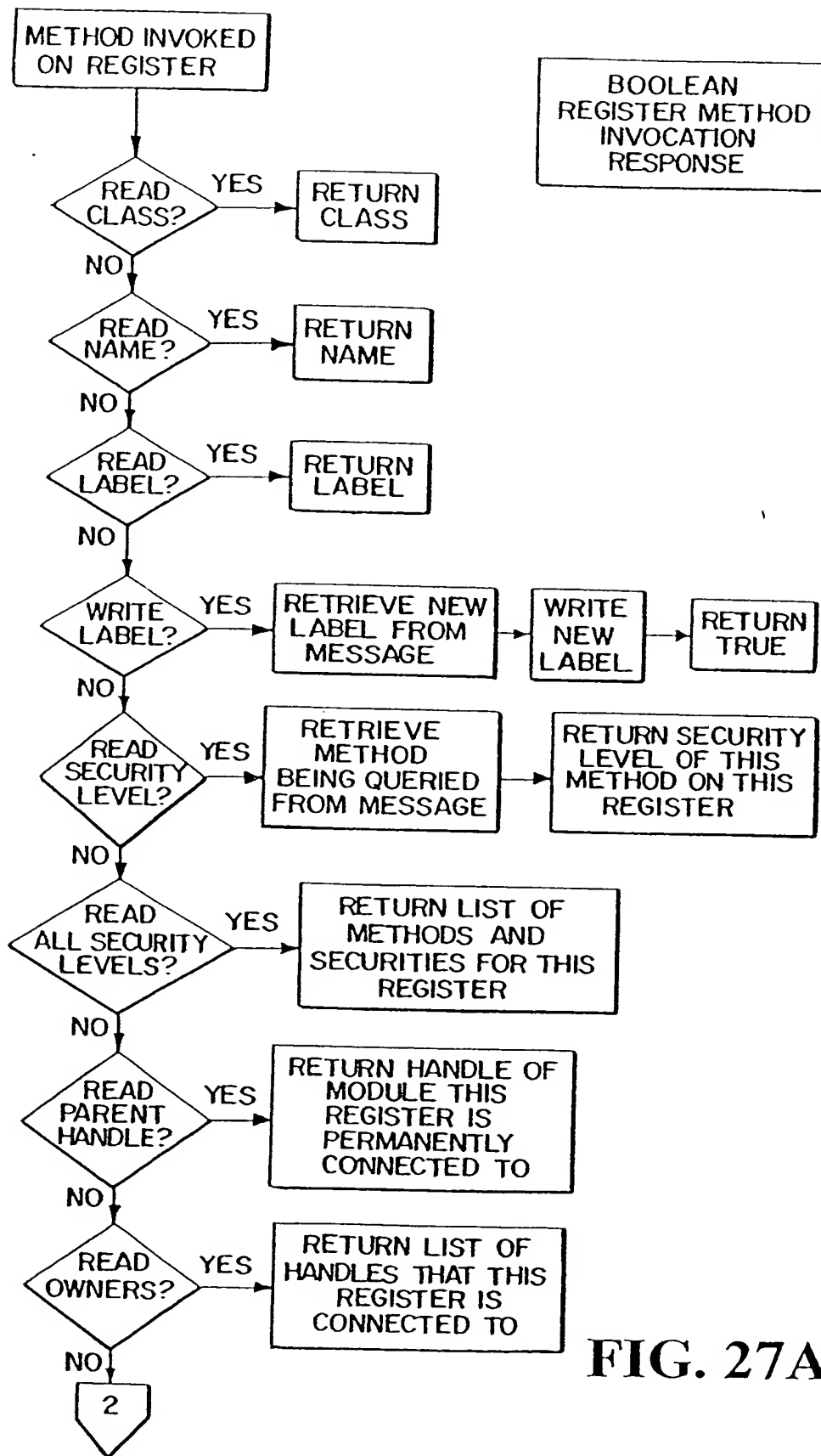
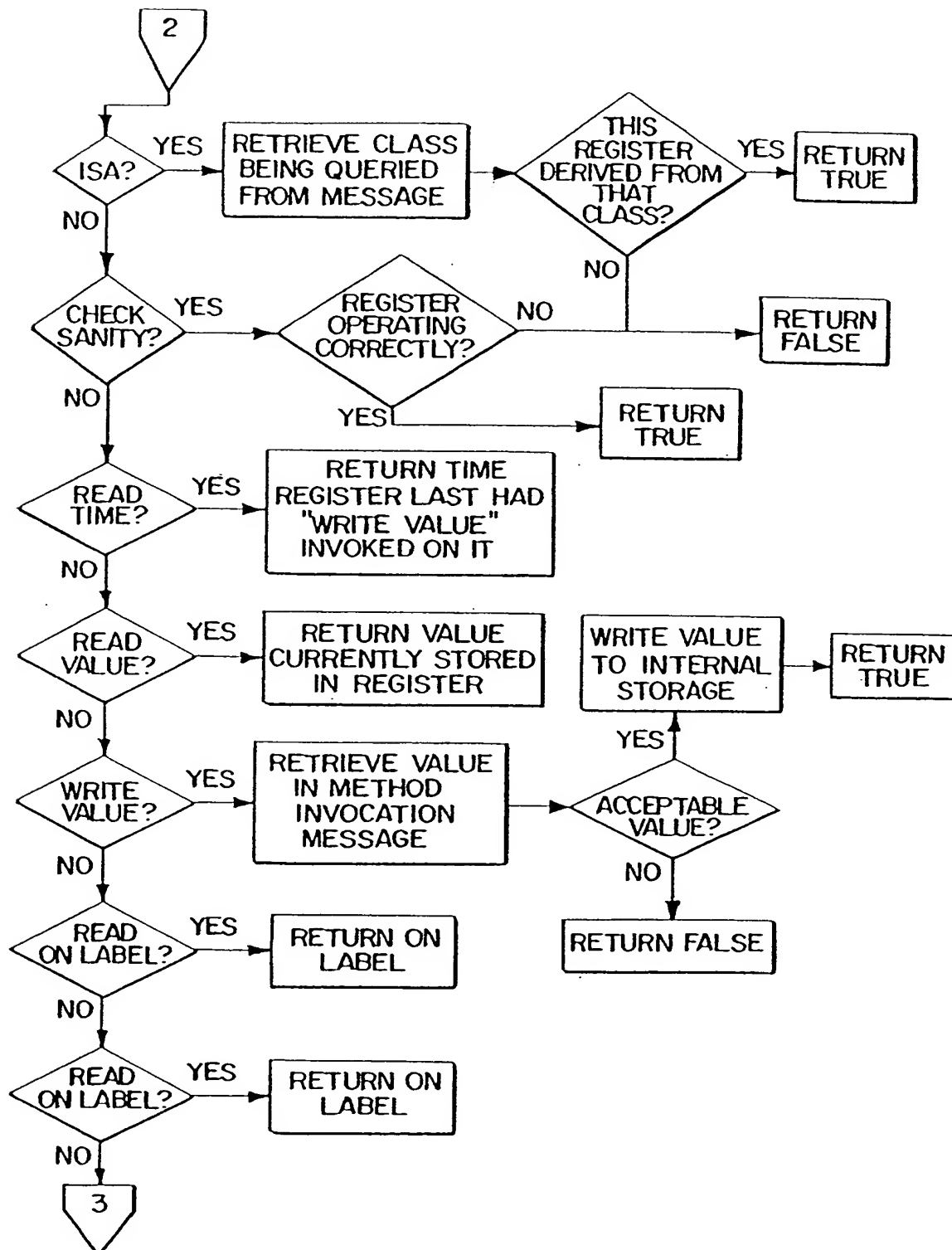
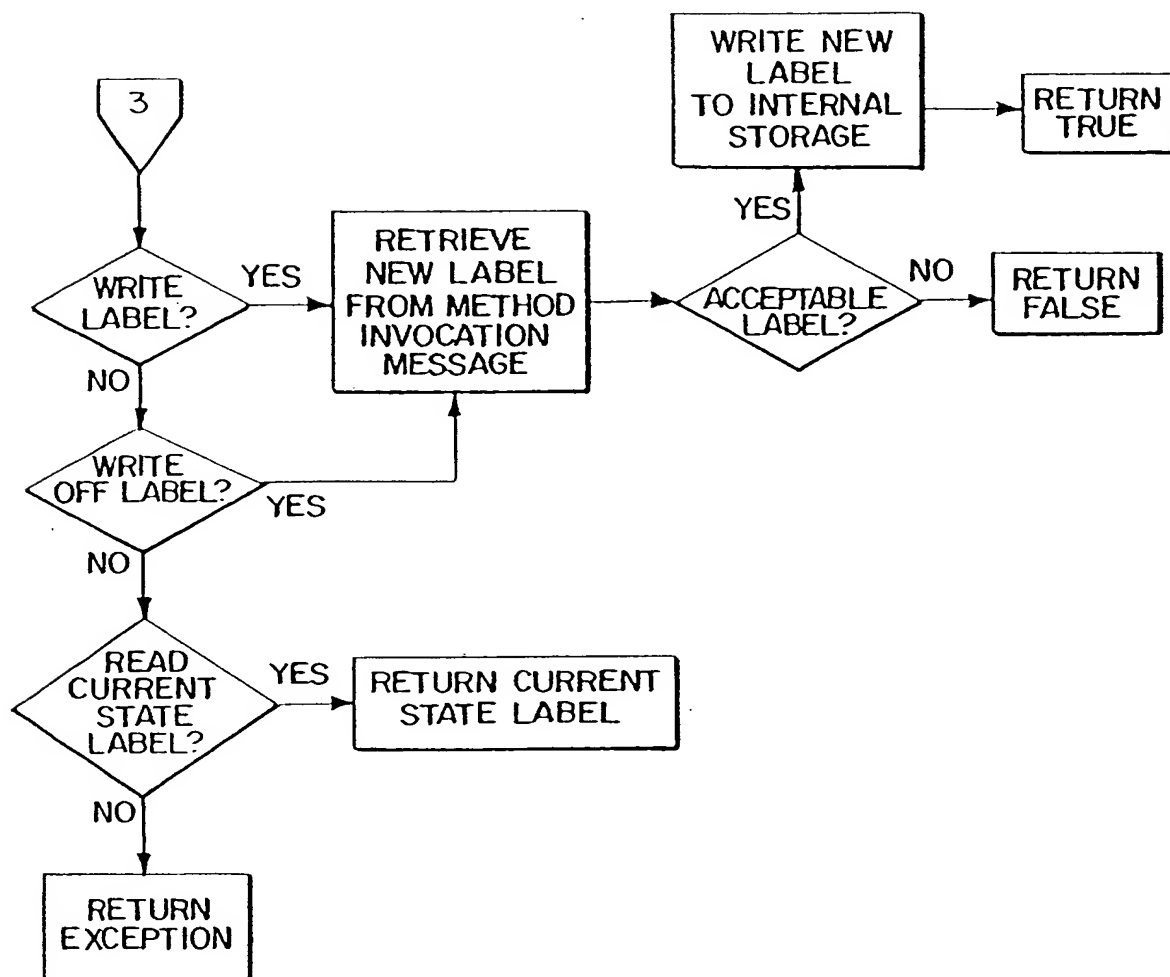


FIG. 27B



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FIG. 27C



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FIG. 28A

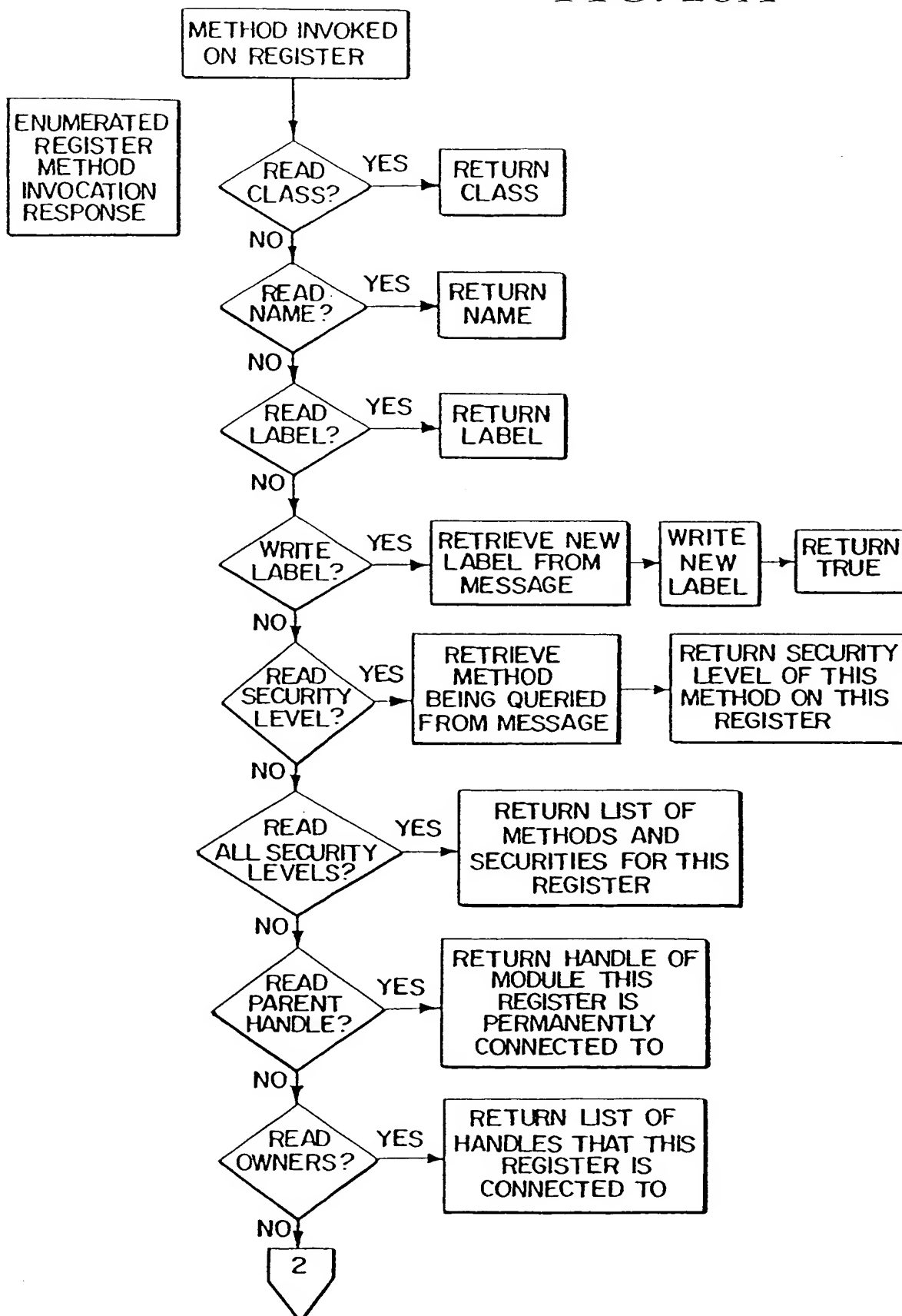


FIG. 28B

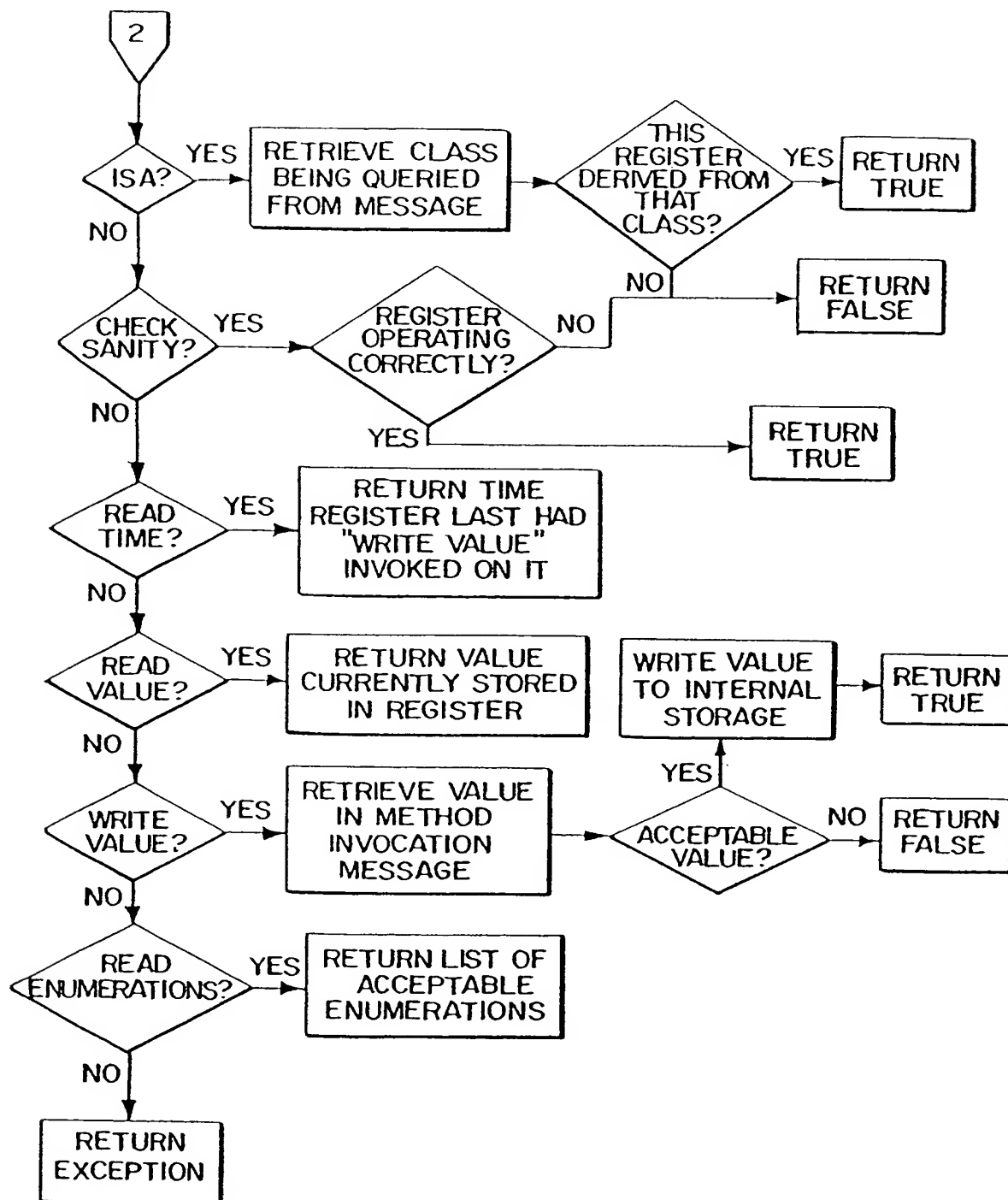
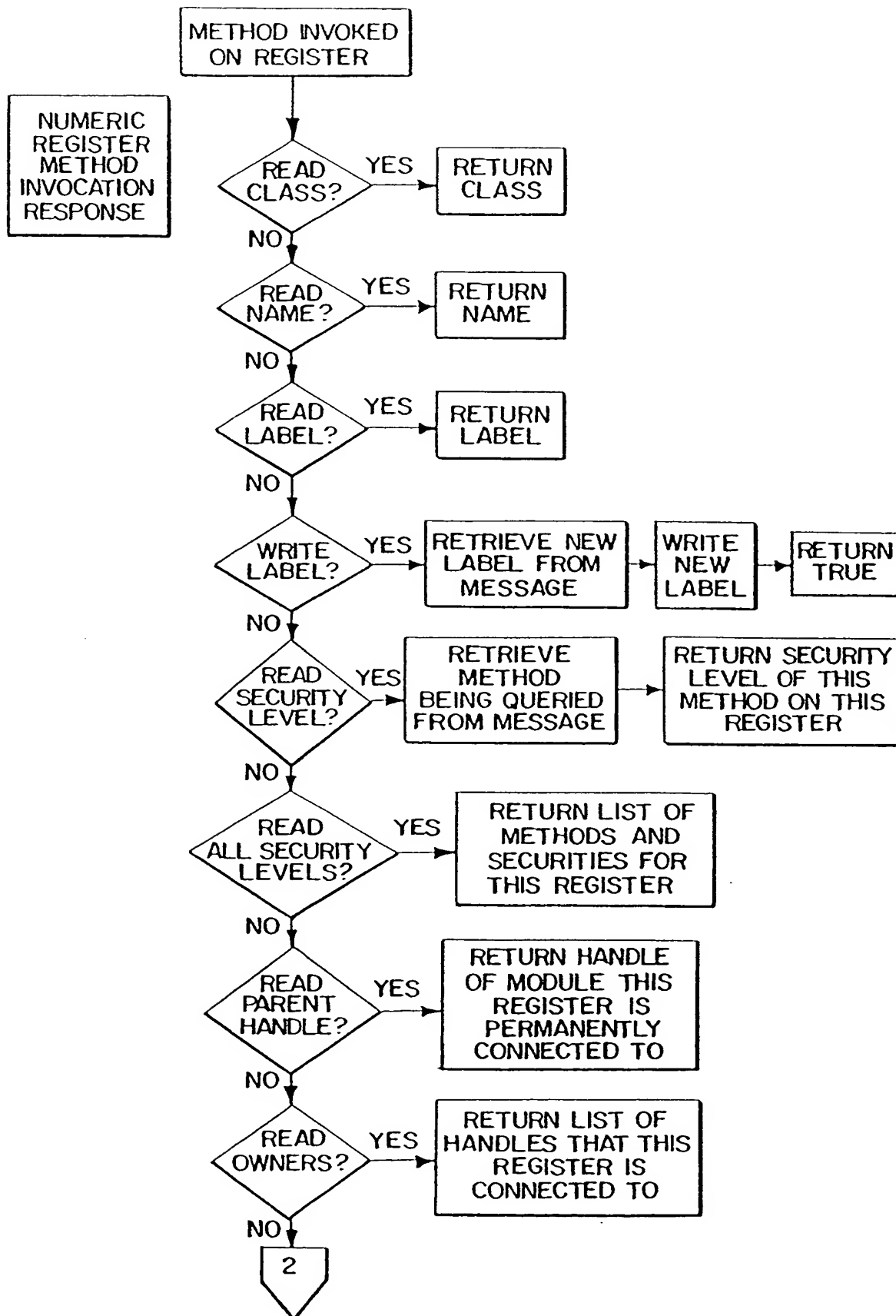


FIG. 29A





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FIG. 29B

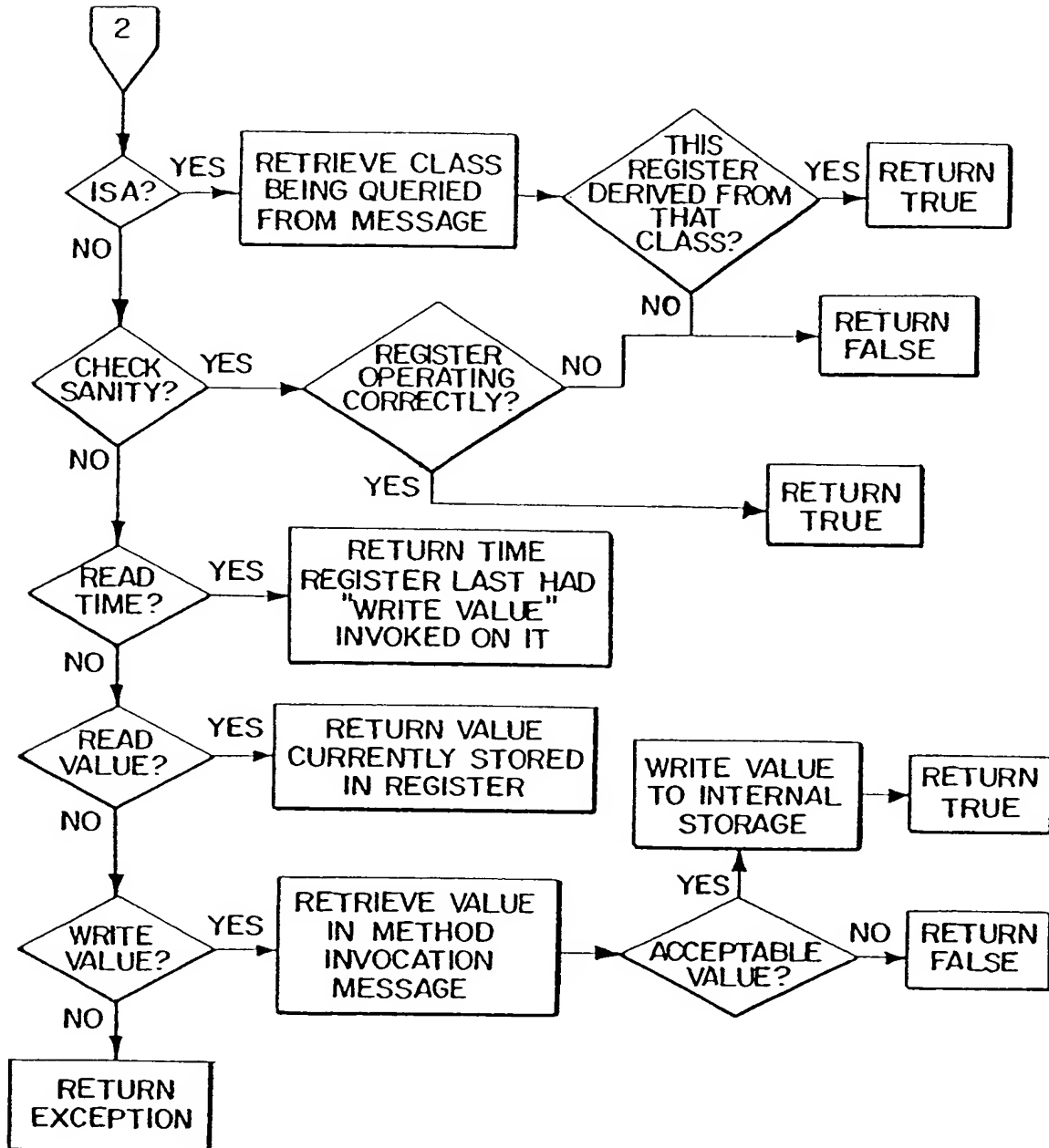


FIG. 30A

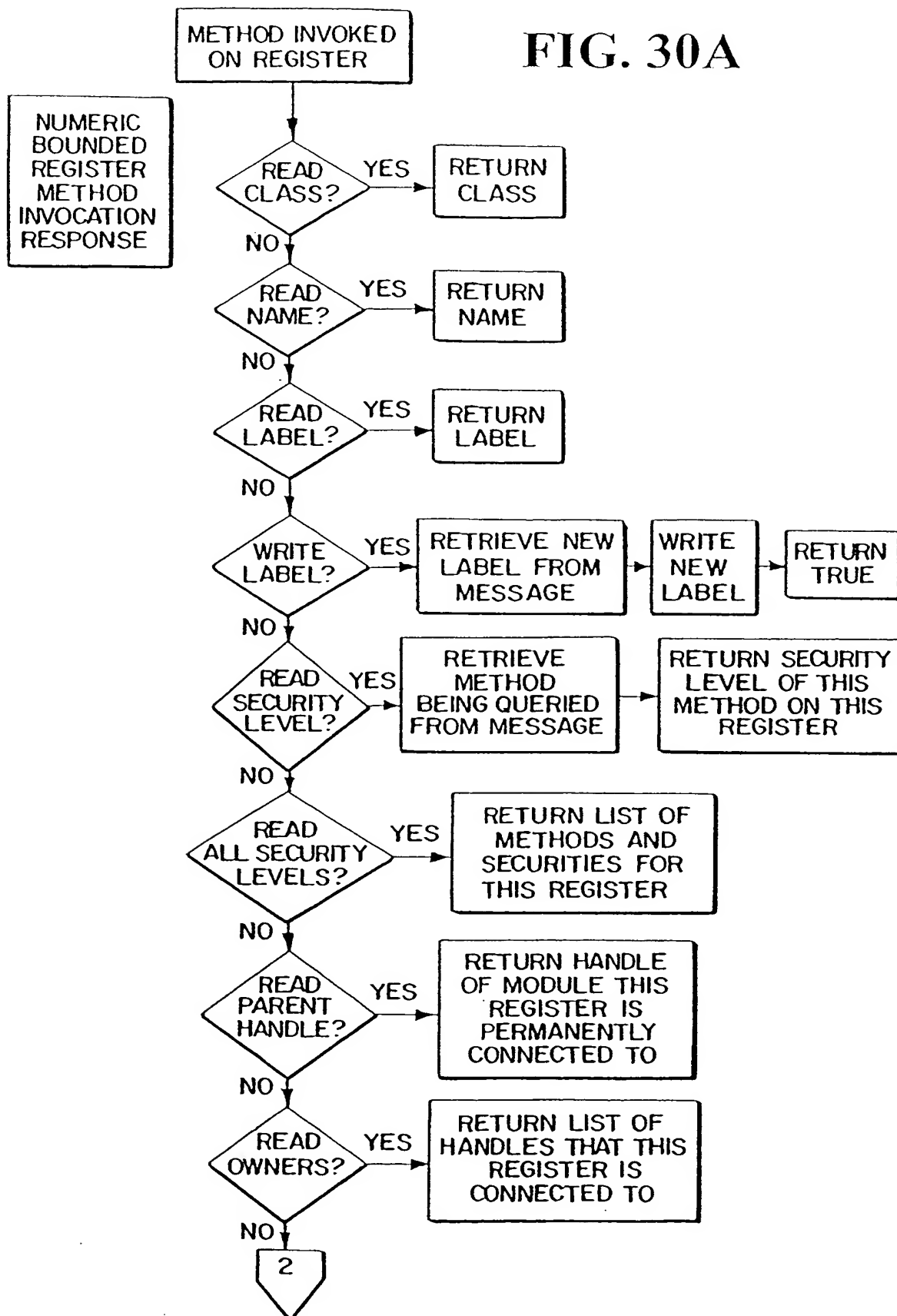
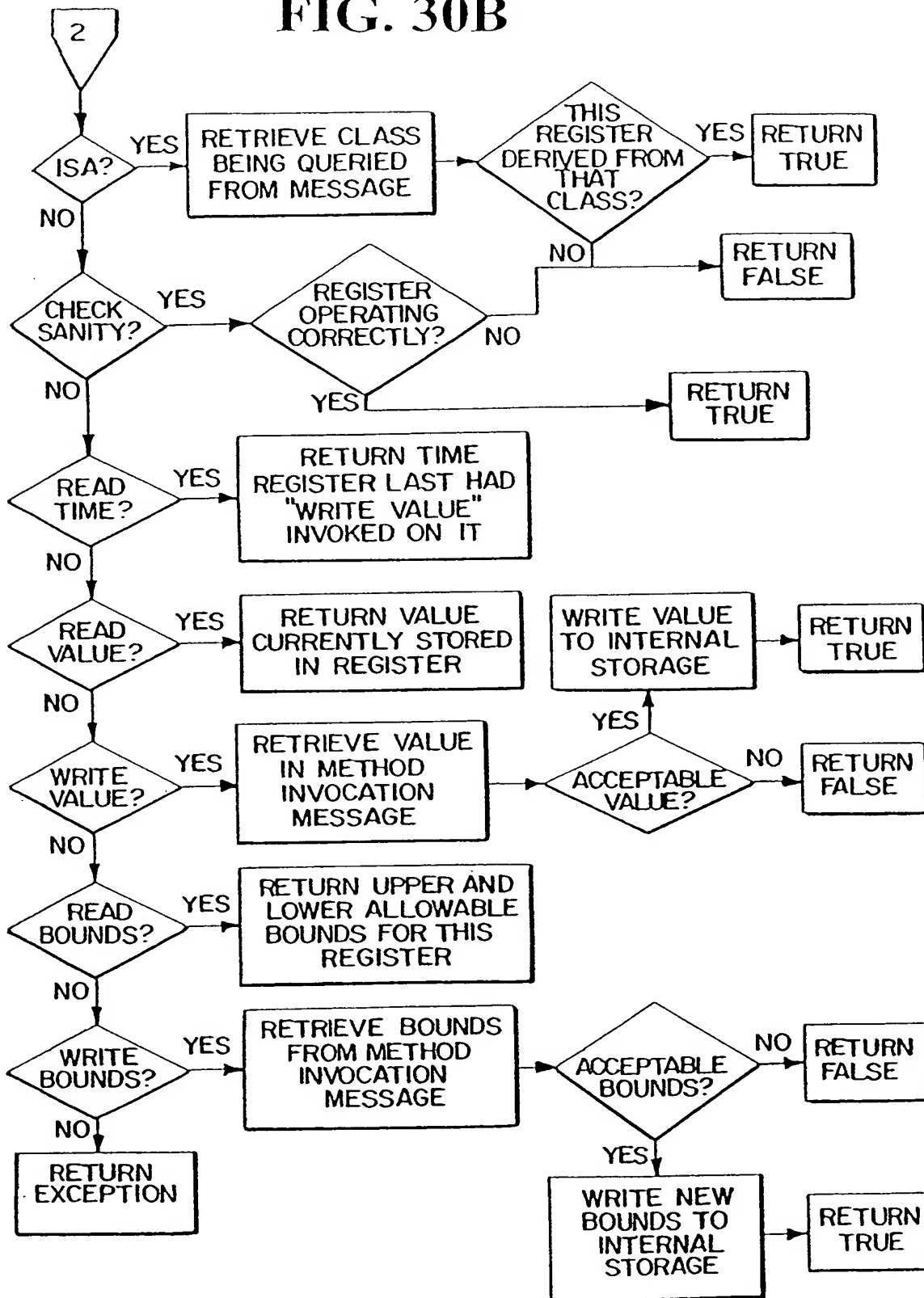
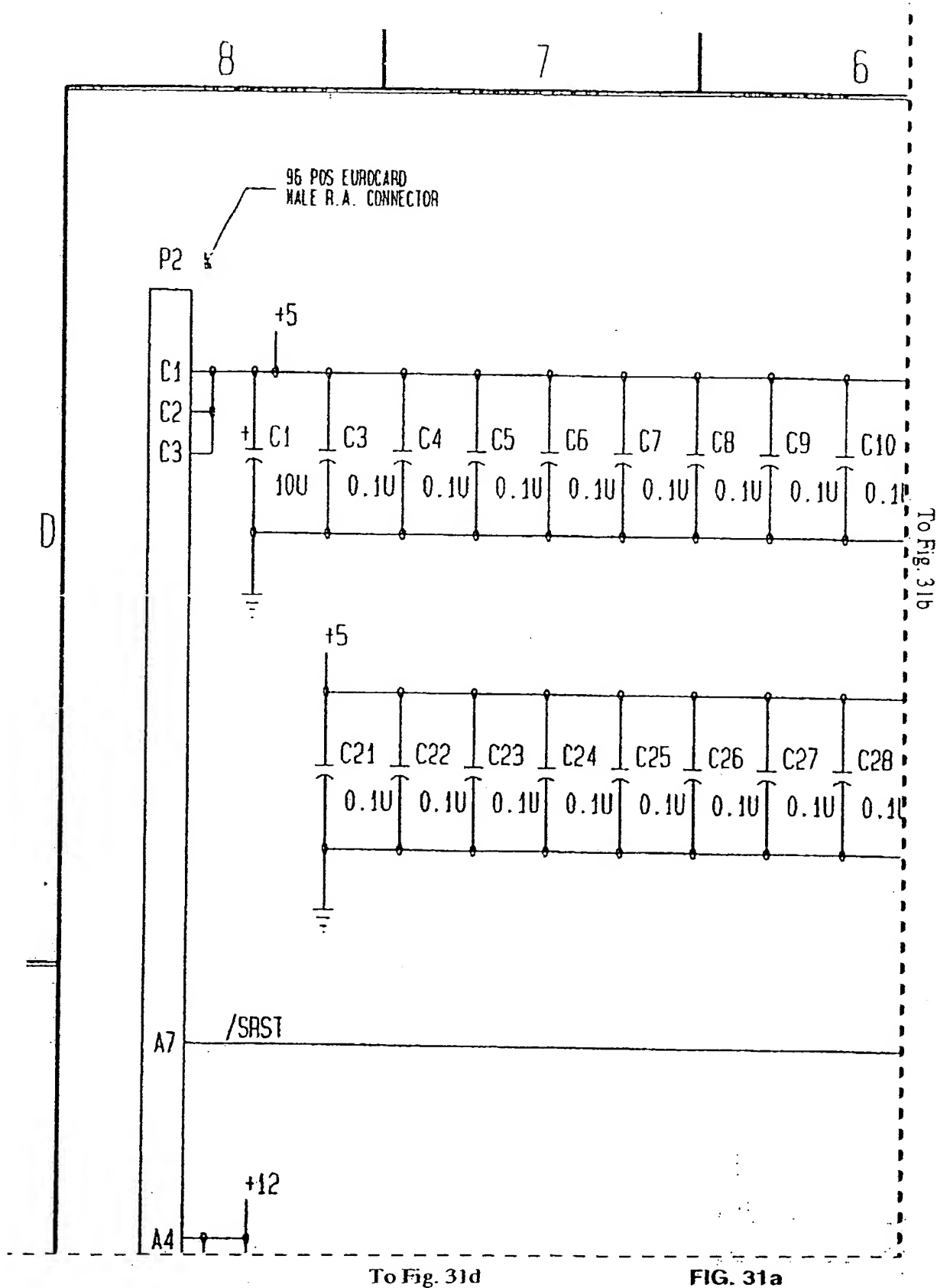


FIG. 30B





Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

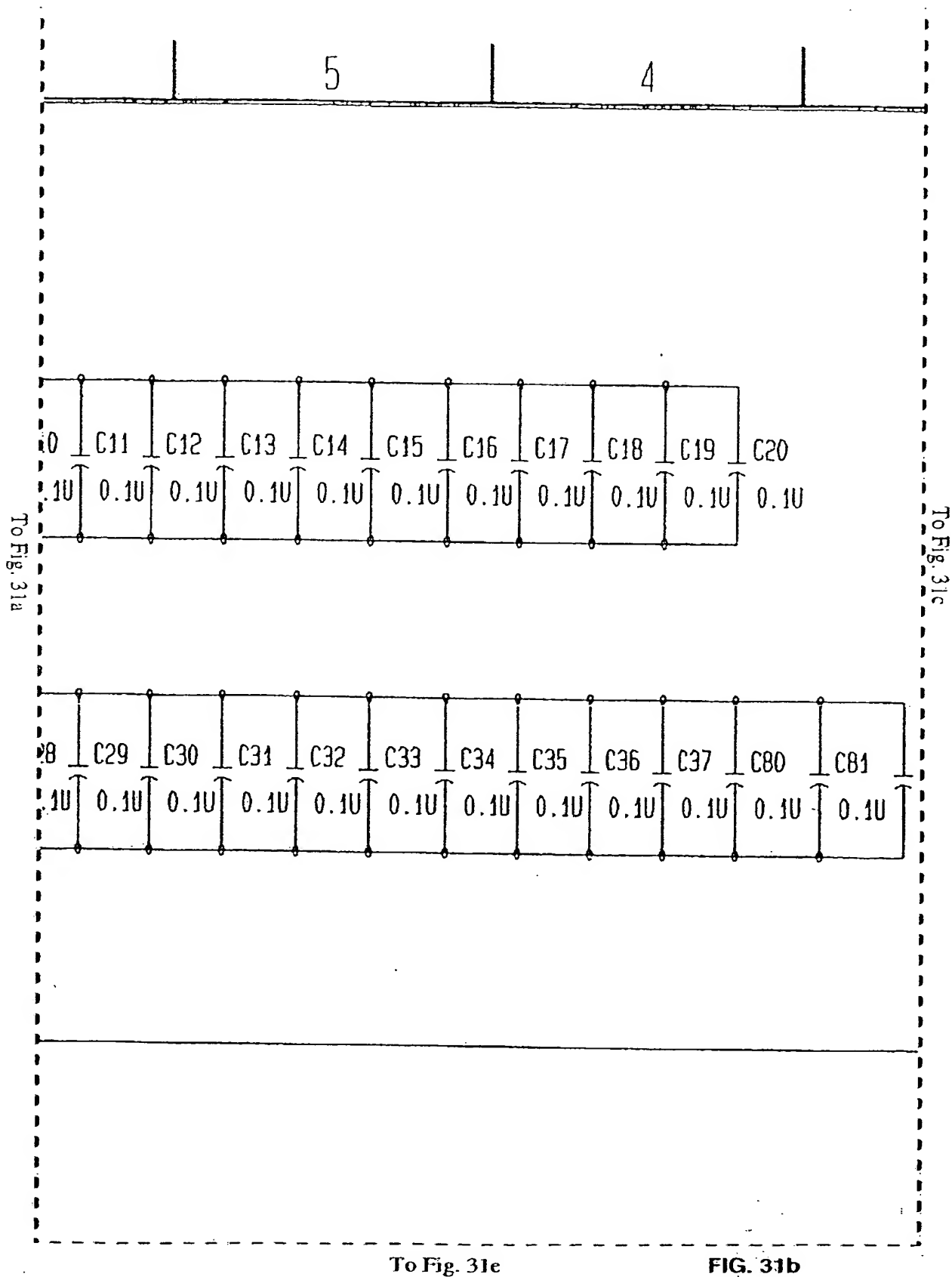
Inventor(s): Ronald G. Hart

Attorney Docket No. 627076, Serial No. 10/068,431

6270/110

10/613.701

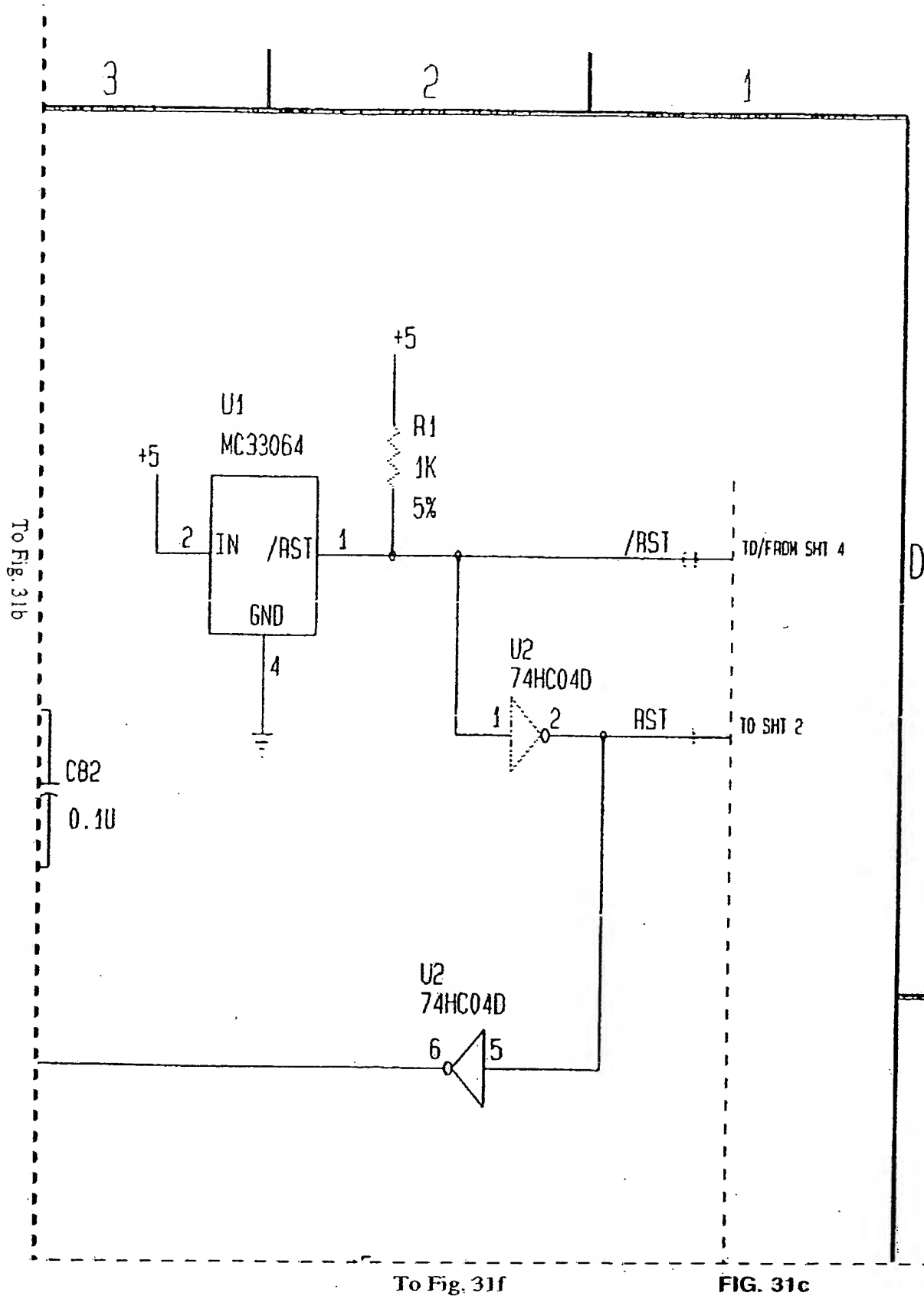
65 07 207



66 87 007

6270/110

10/613.701

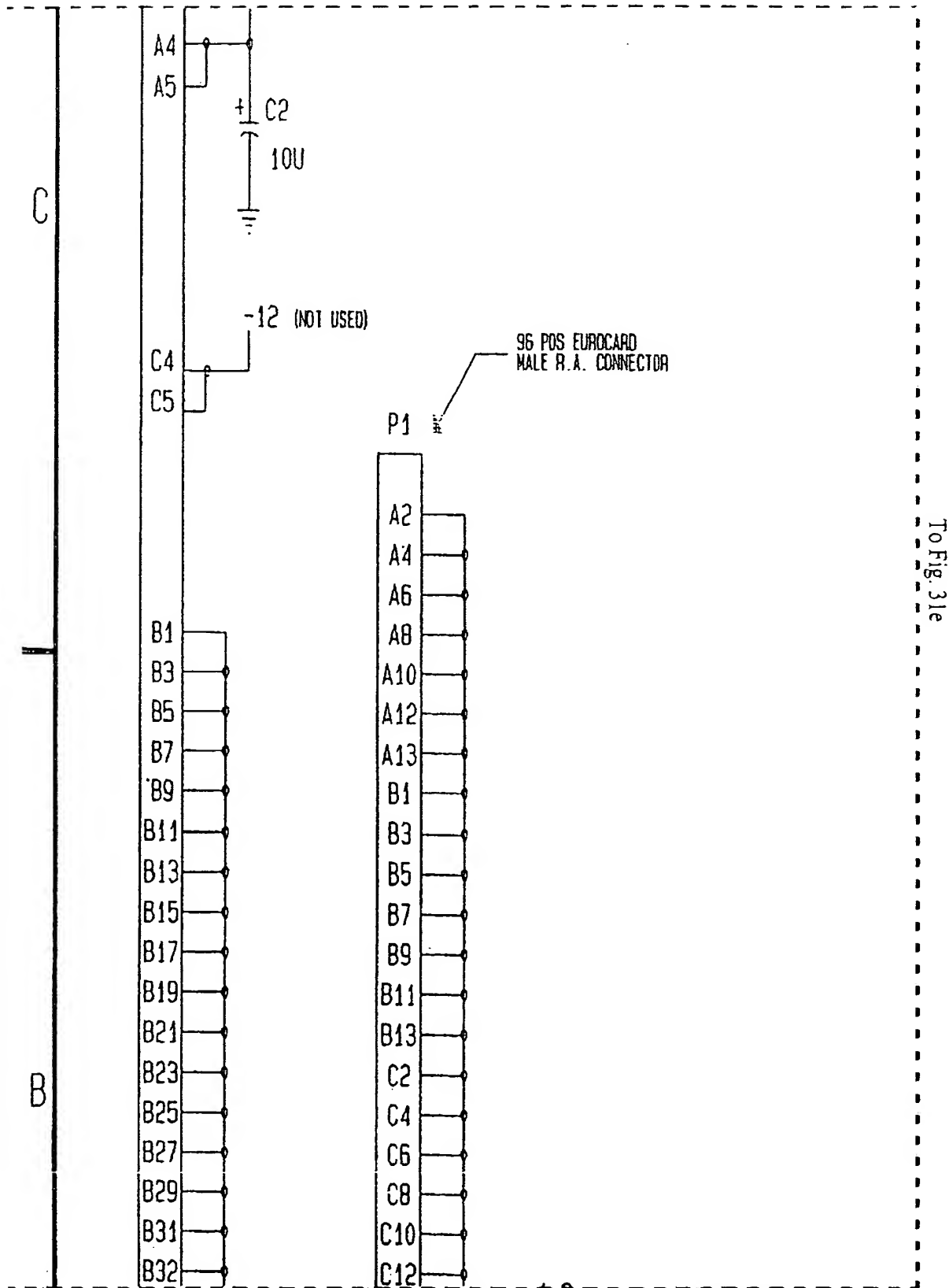


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10/613,701

To Fig. 31a



To Fig. 31e

To Fig. 31g

FIG. 31d

Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No. 627076, Serial No. 10/068,431

68 67207

627076/110

10/613,701

To Fig. 31b

To Fig. 31d

To Fig. 31f

To Fig. 31h

FIG. 31e

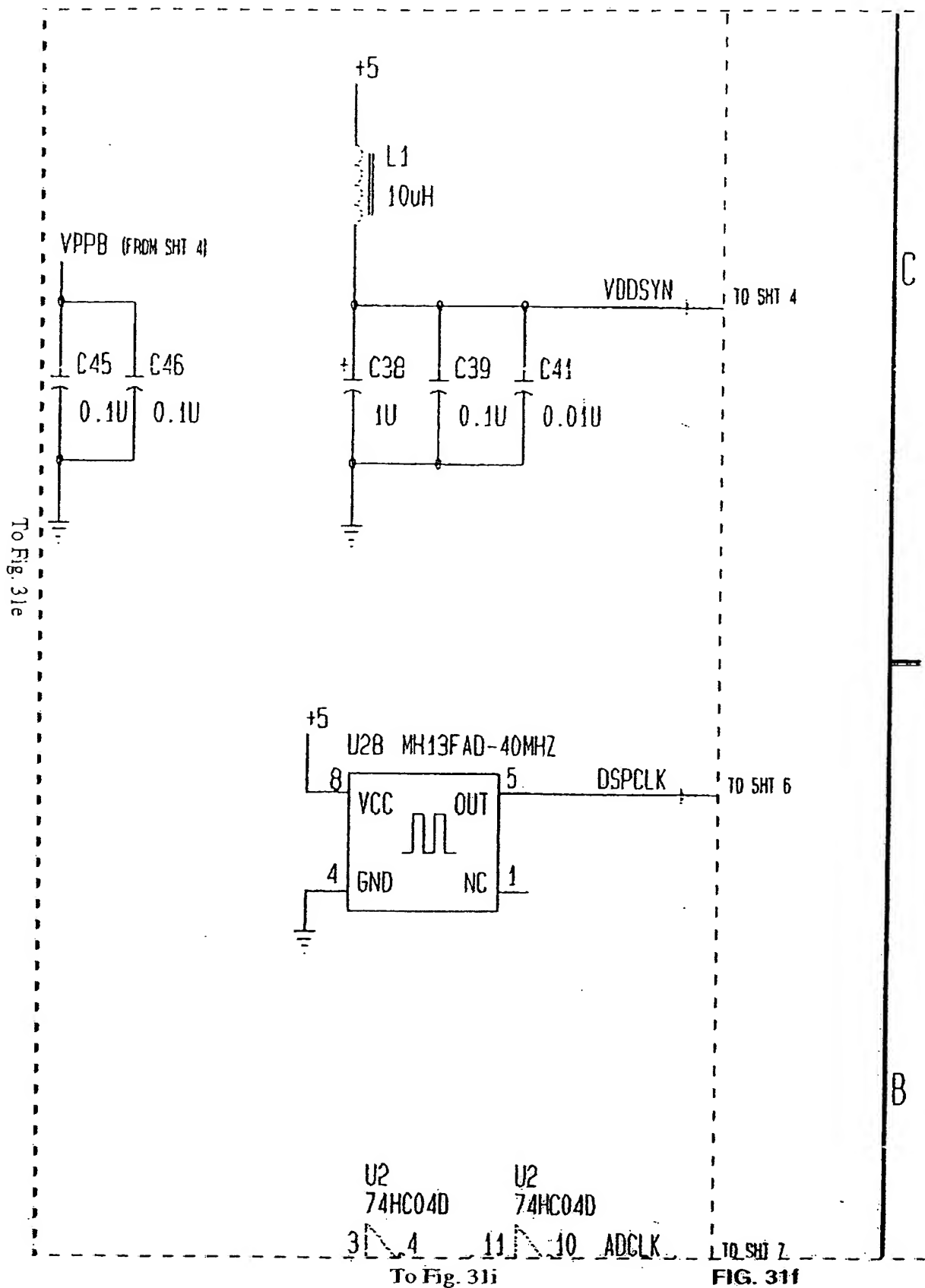


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To Fig. 31c



To Fig. 31i

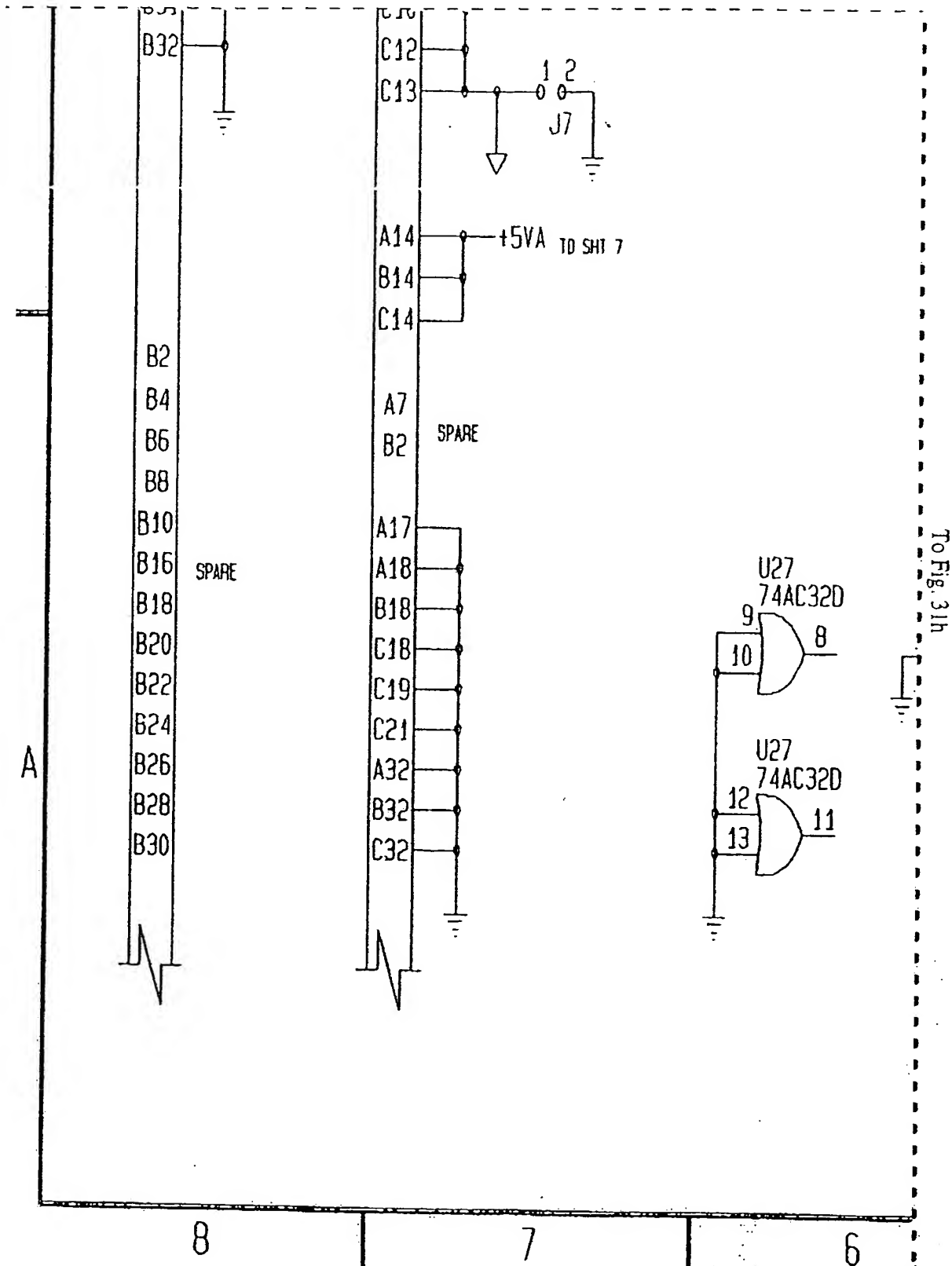
FIG. 31f

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10/613,701

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To Fig. 31d

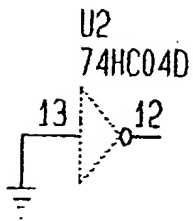


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To Fig. 31e

To Fig. 31g



To Fig. 31i

This schematic  
proprietary  
configuration  
are issued in  
or use shall  
of CD Power

5

4

FIG. 31h

Inventor(s): Ronald G. Harl

Attorney Docket No. 6270776, Serial No. 10/068,431

6270/110

10/613,701

72 6 207

To Fig. 31f

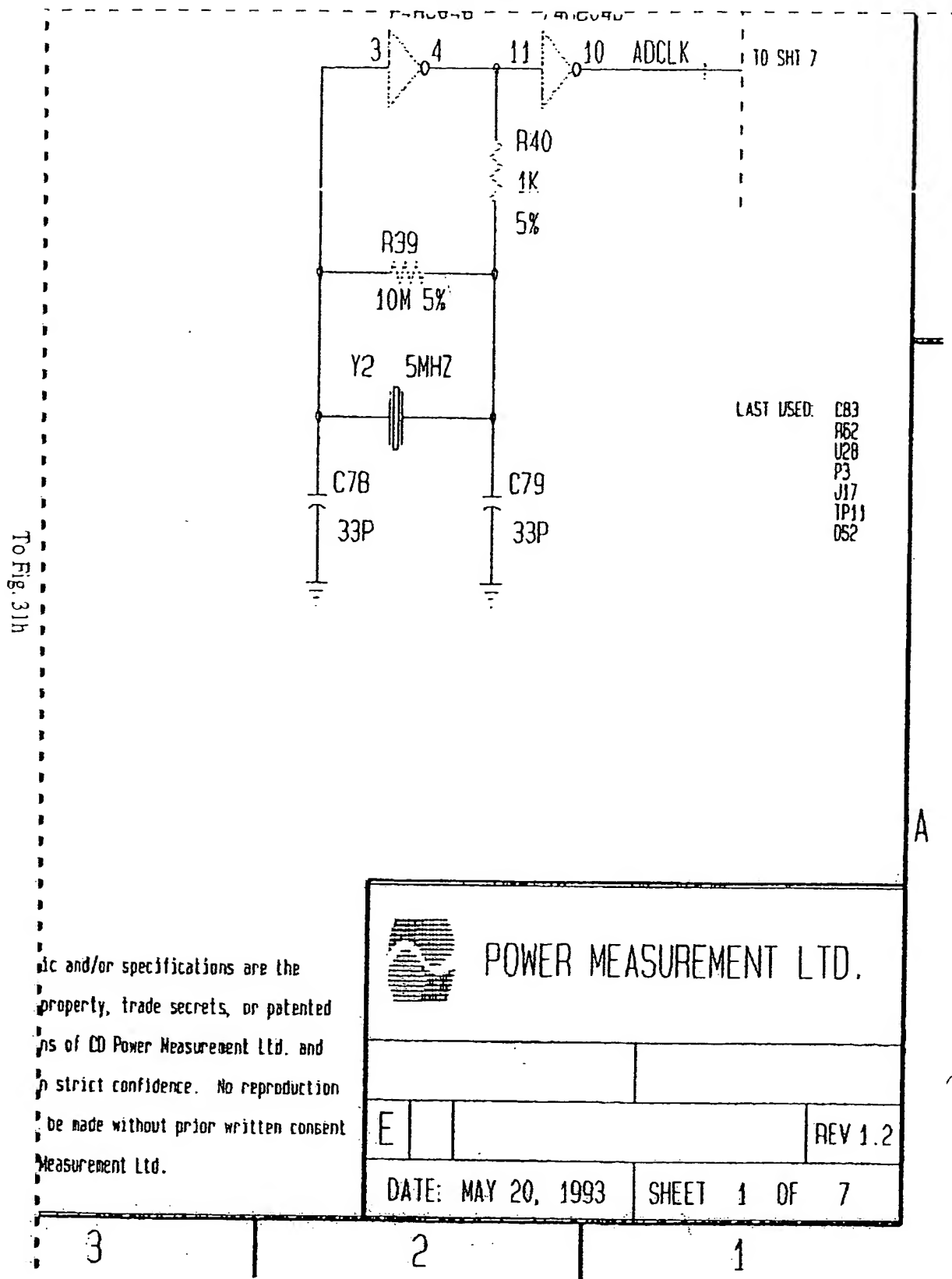


FIG. 31i

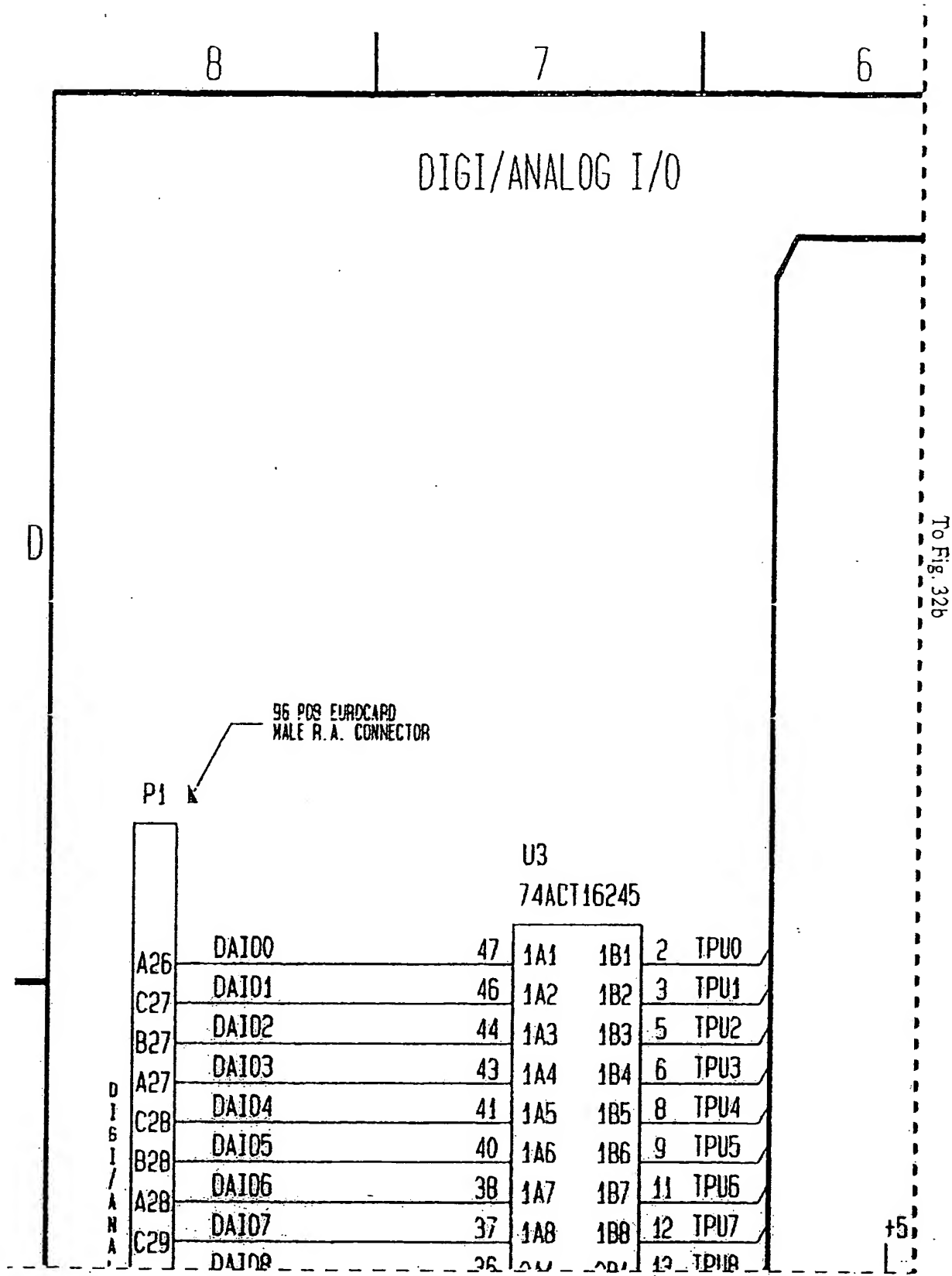
Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/76, Serial No. 10/068,431

6270/110

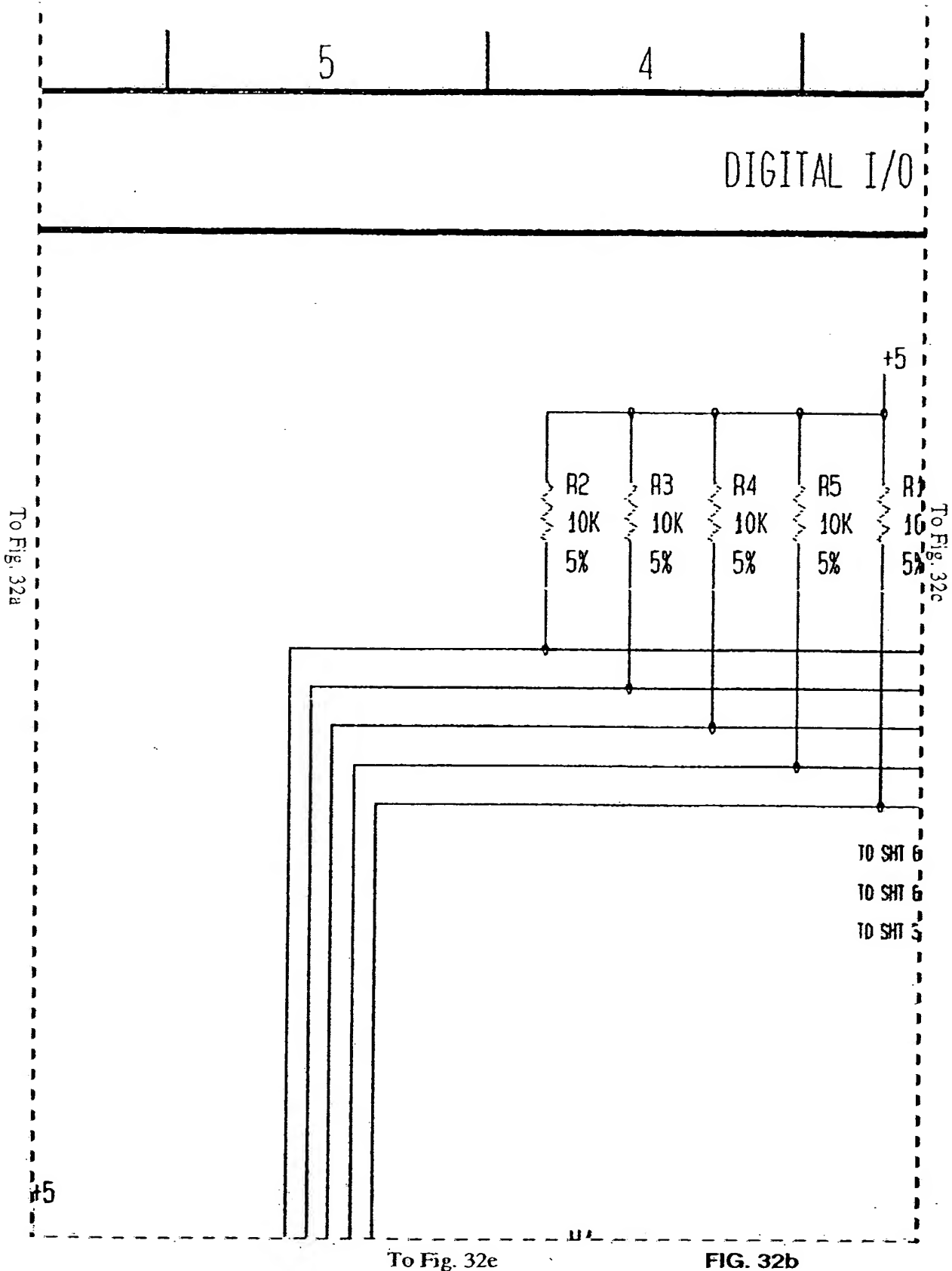
10/613,701

73 07 207



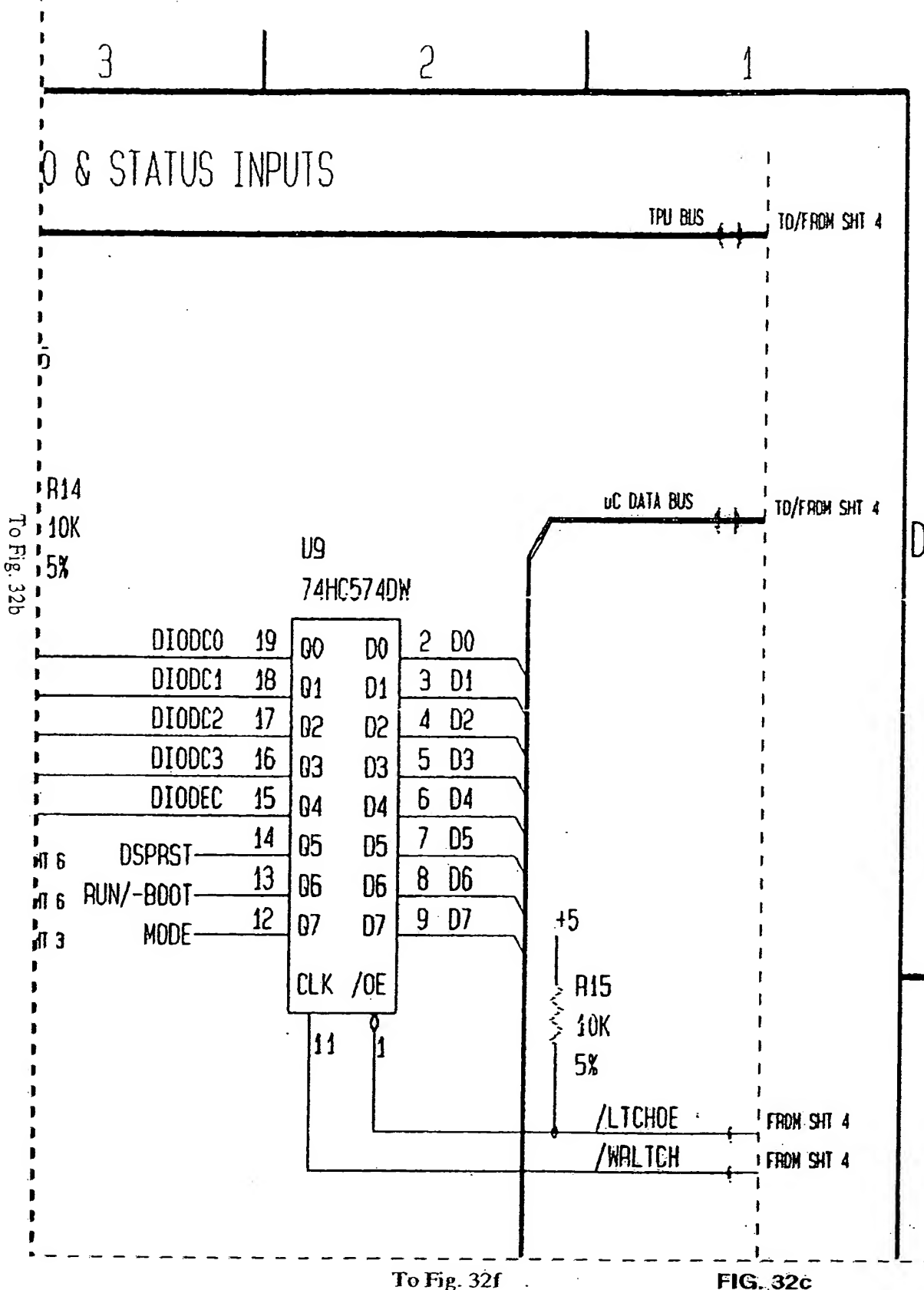
To Fig. 32d

FIG. 32a



To Fig. 32e

FIG. 32b



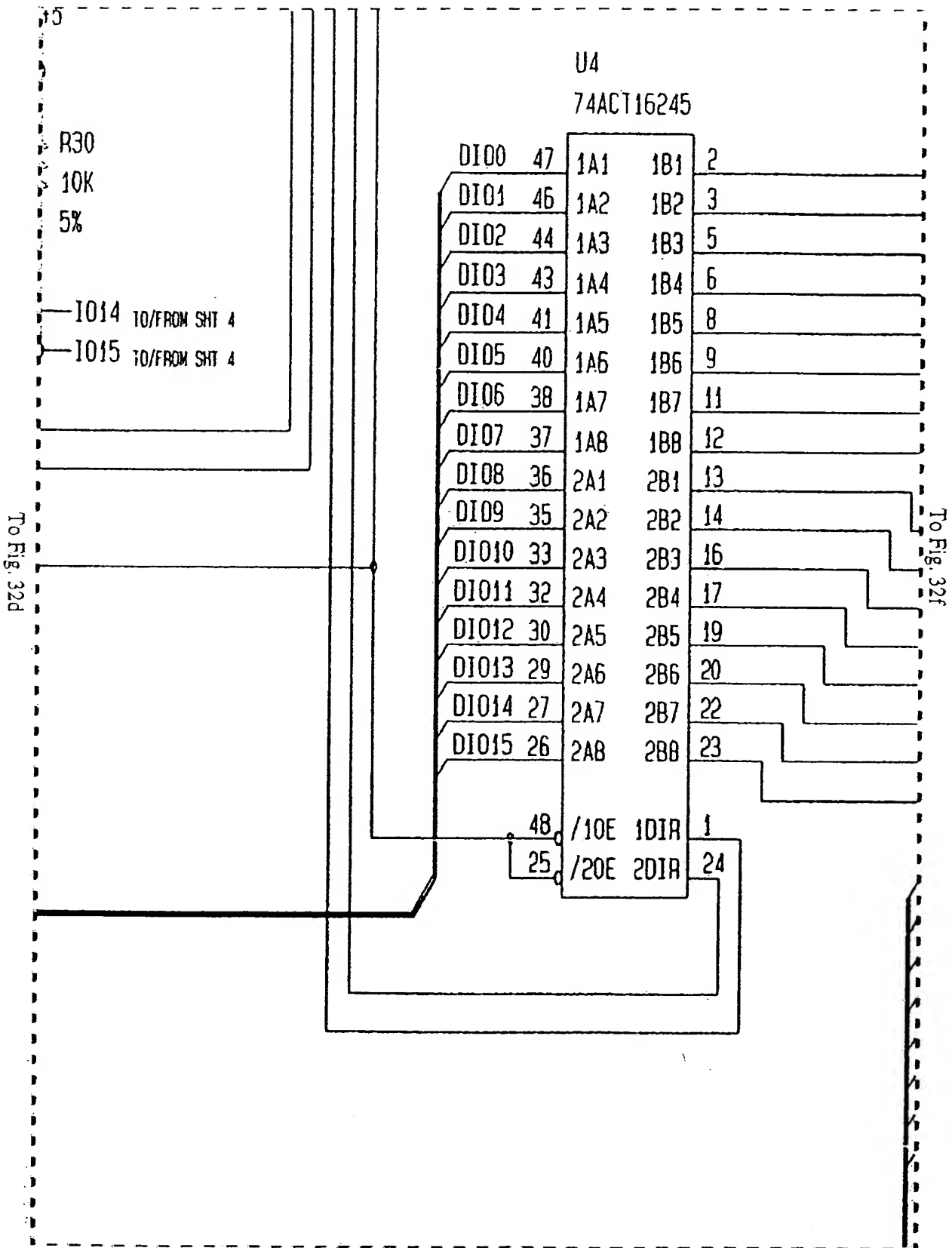
10163, 701

To Fig. 32e

**FIG. 32d**



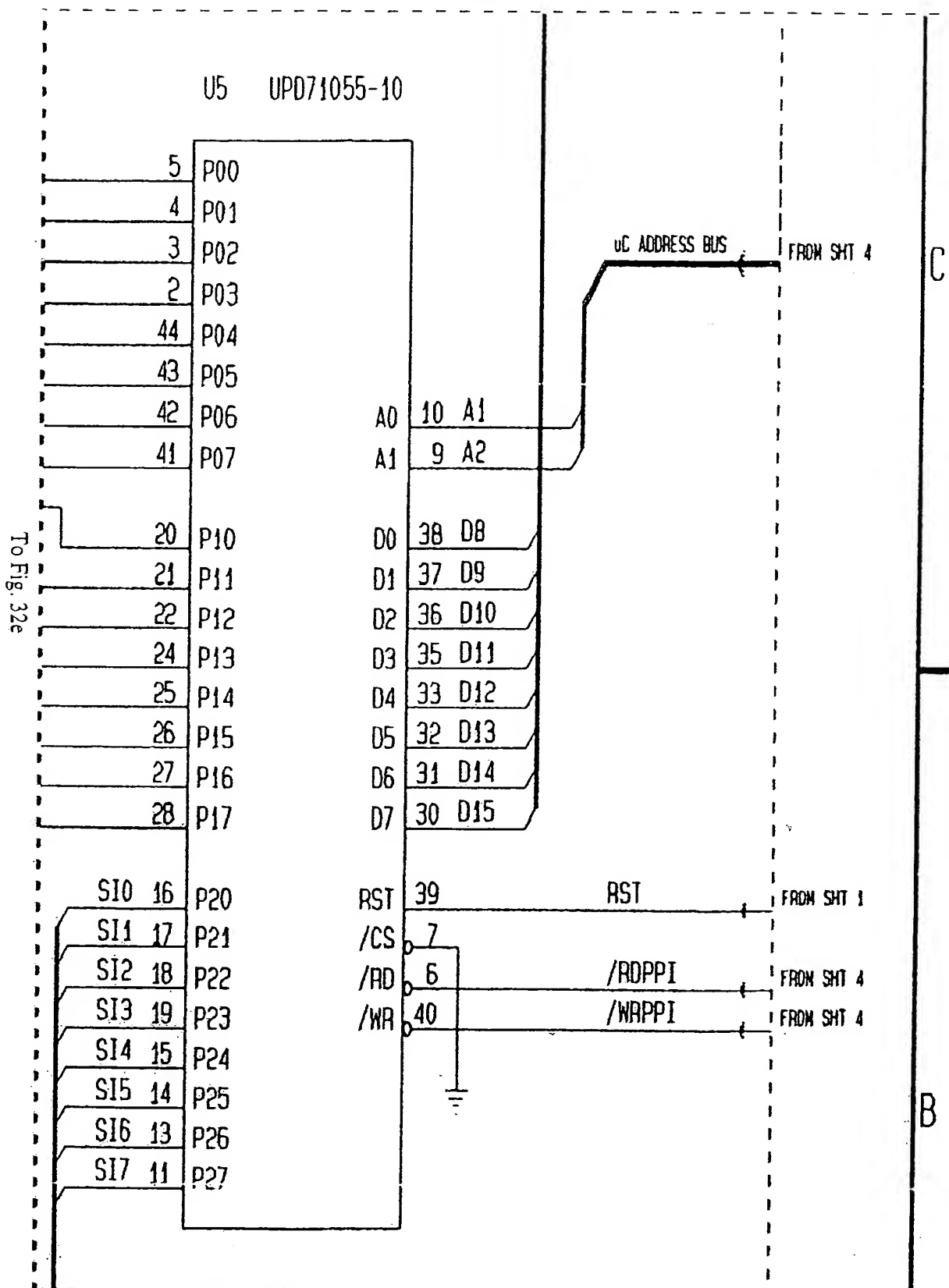
To Fig. 32b



To Fig. 32b

FIG. 32e

To Fig. 32c



To Fig. 32i

FIG. 32f

To Fig. 32d

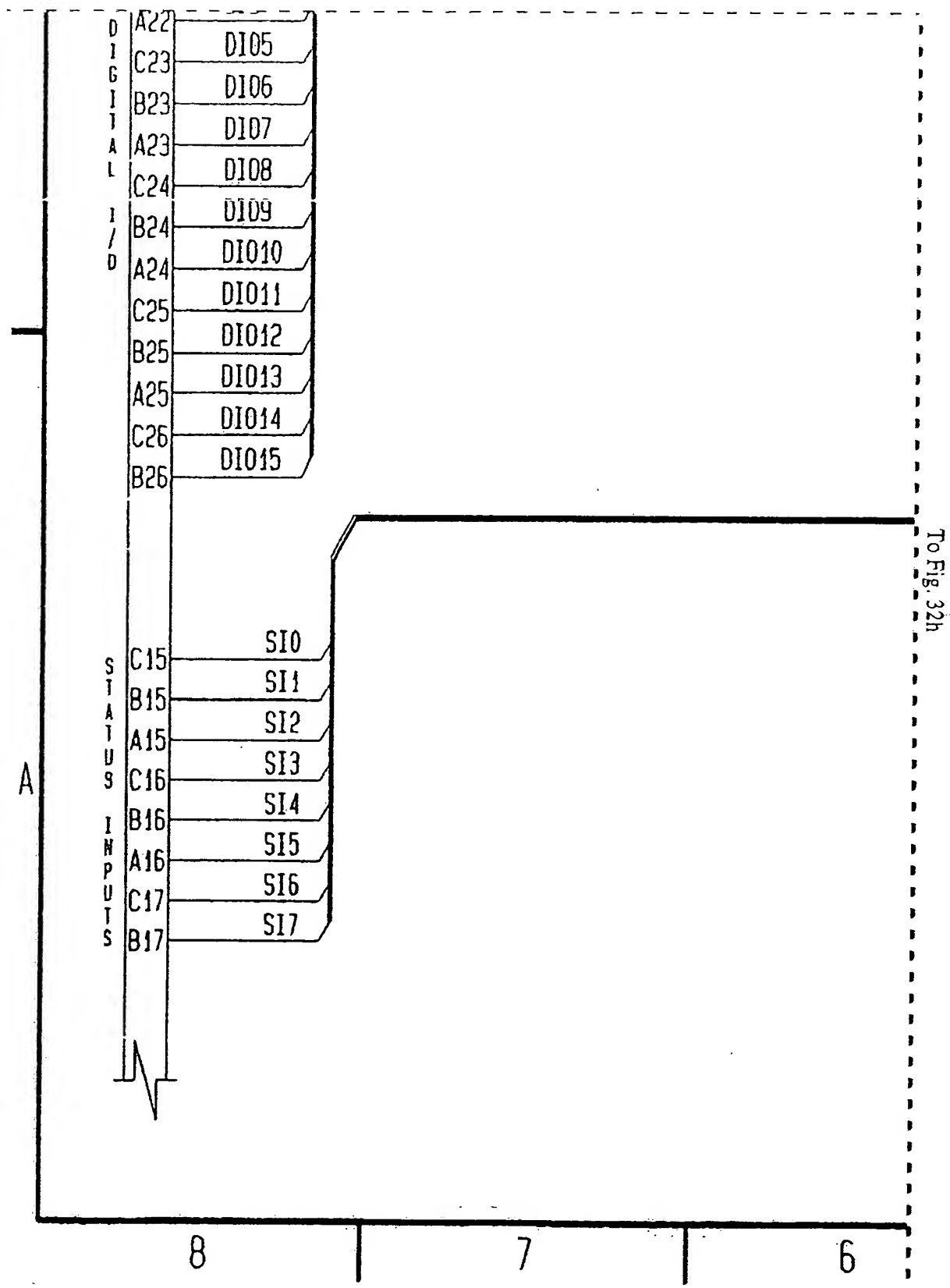


FIG. 32g

Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No. 627076, Serial No. 10/068,431

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To Fig. 32e

To Fig. 32g

To Fig. 32i

This schematic  
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configuration  
are issued in  
or use shall  
of CD Power

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FIG. 32h

Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/76, Serial No. 10/068,437

6270/110

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81 86307

To Fig. 32f

To Fig. 32h

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FIG. 32i

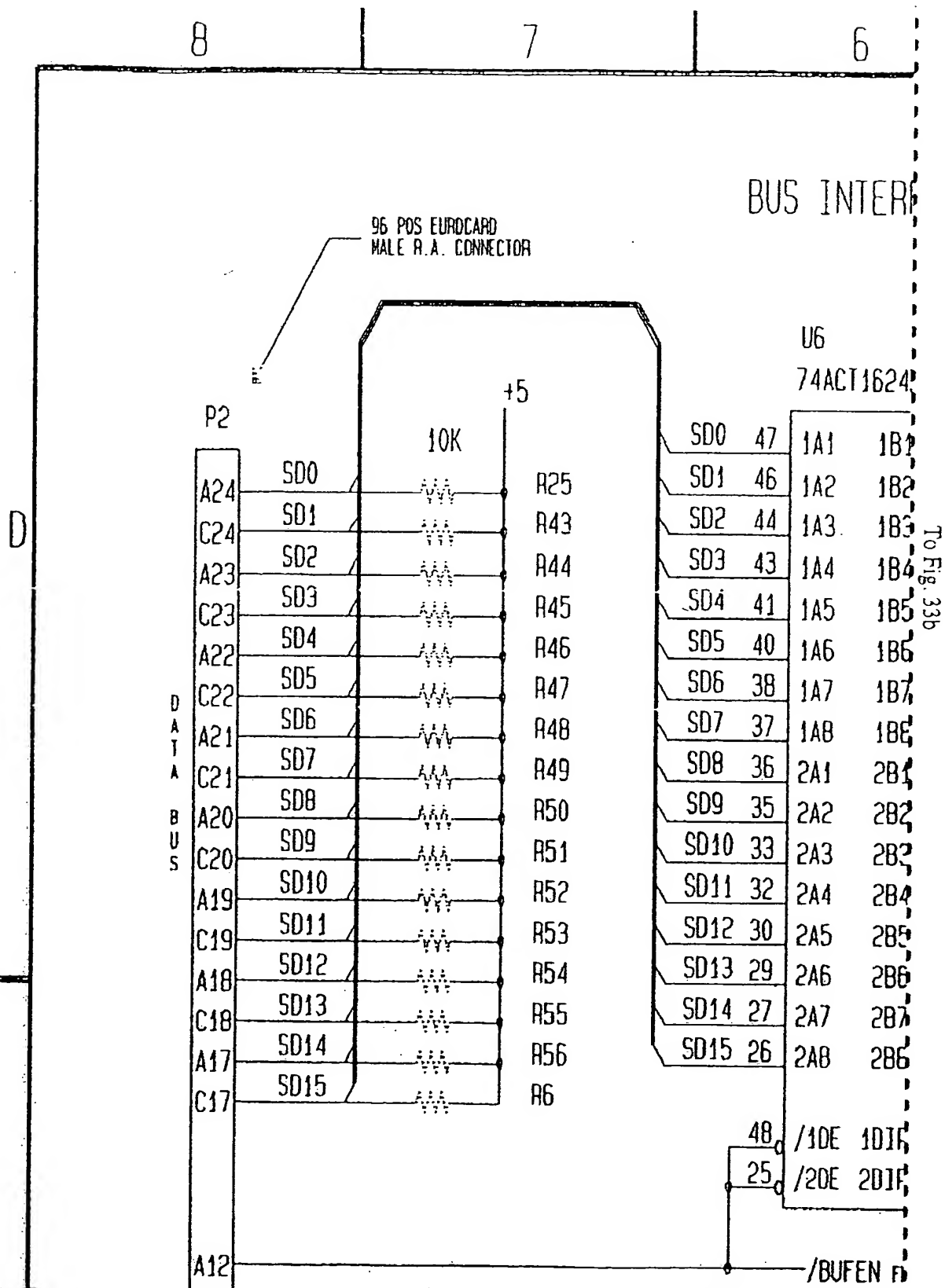
Inventor(s): Ronald G. Hart

Attorney Docket No. 627076, Serial No. 10/068,431

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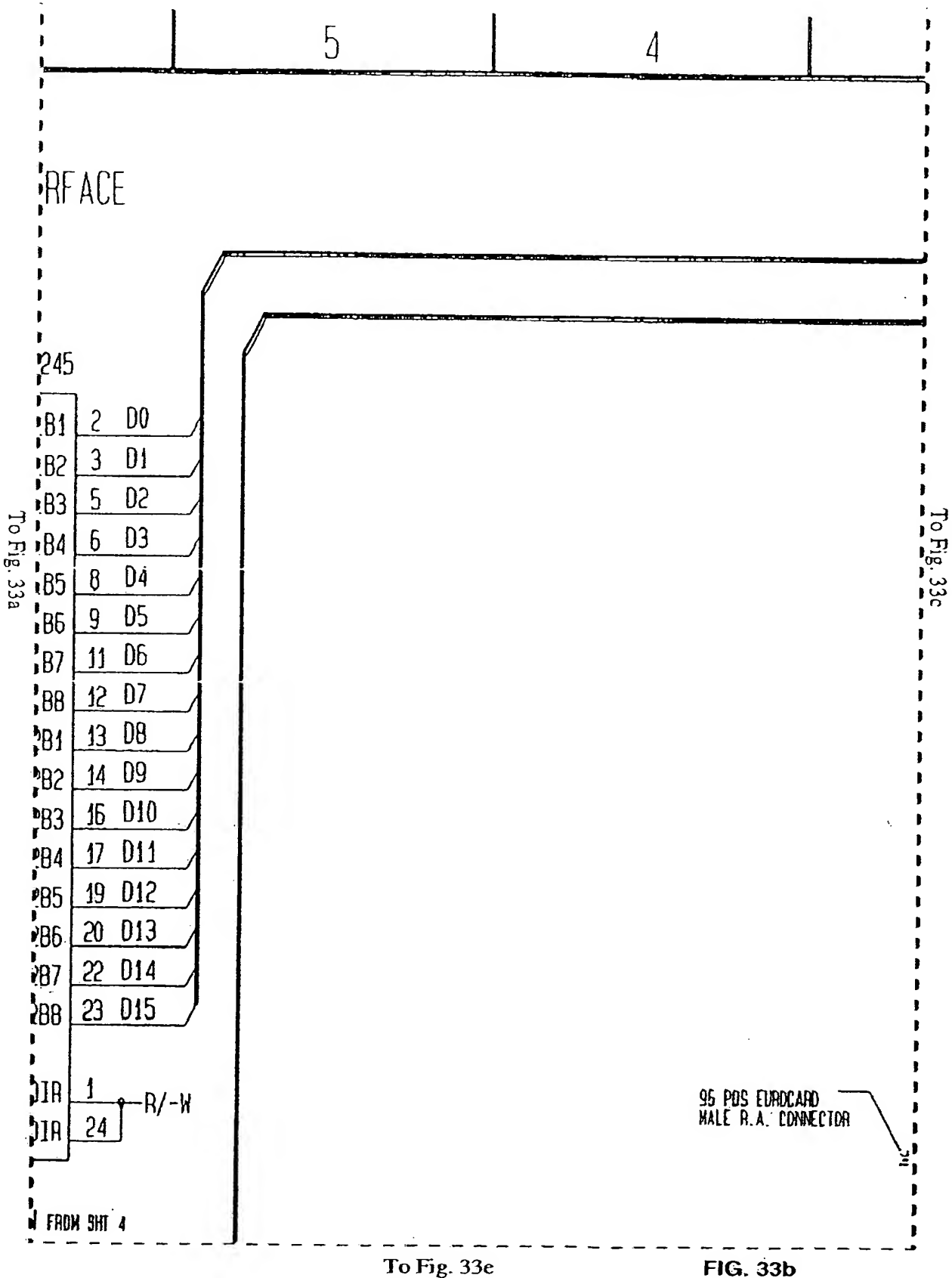
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83 26307



84 26 207

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10/613,701

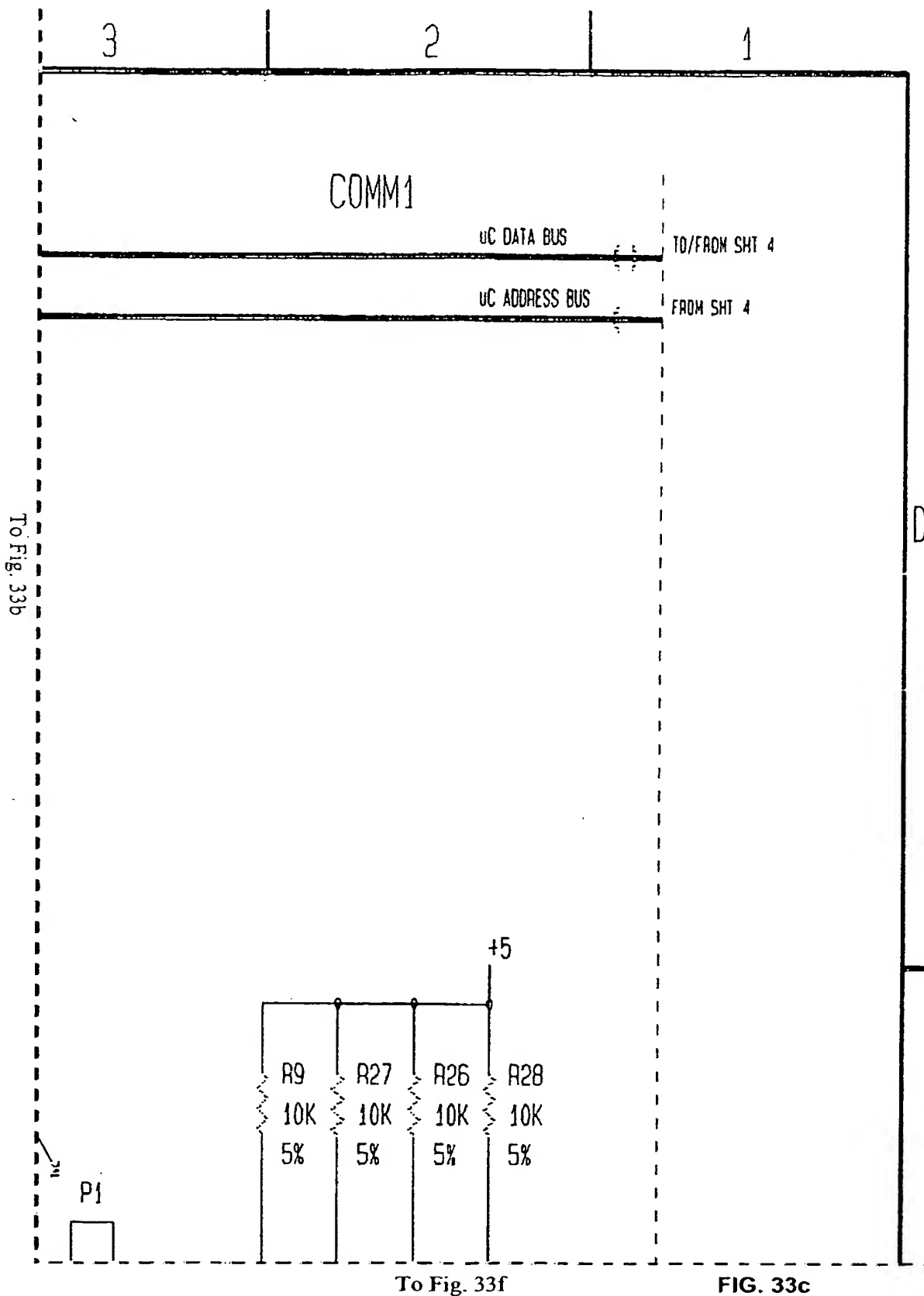
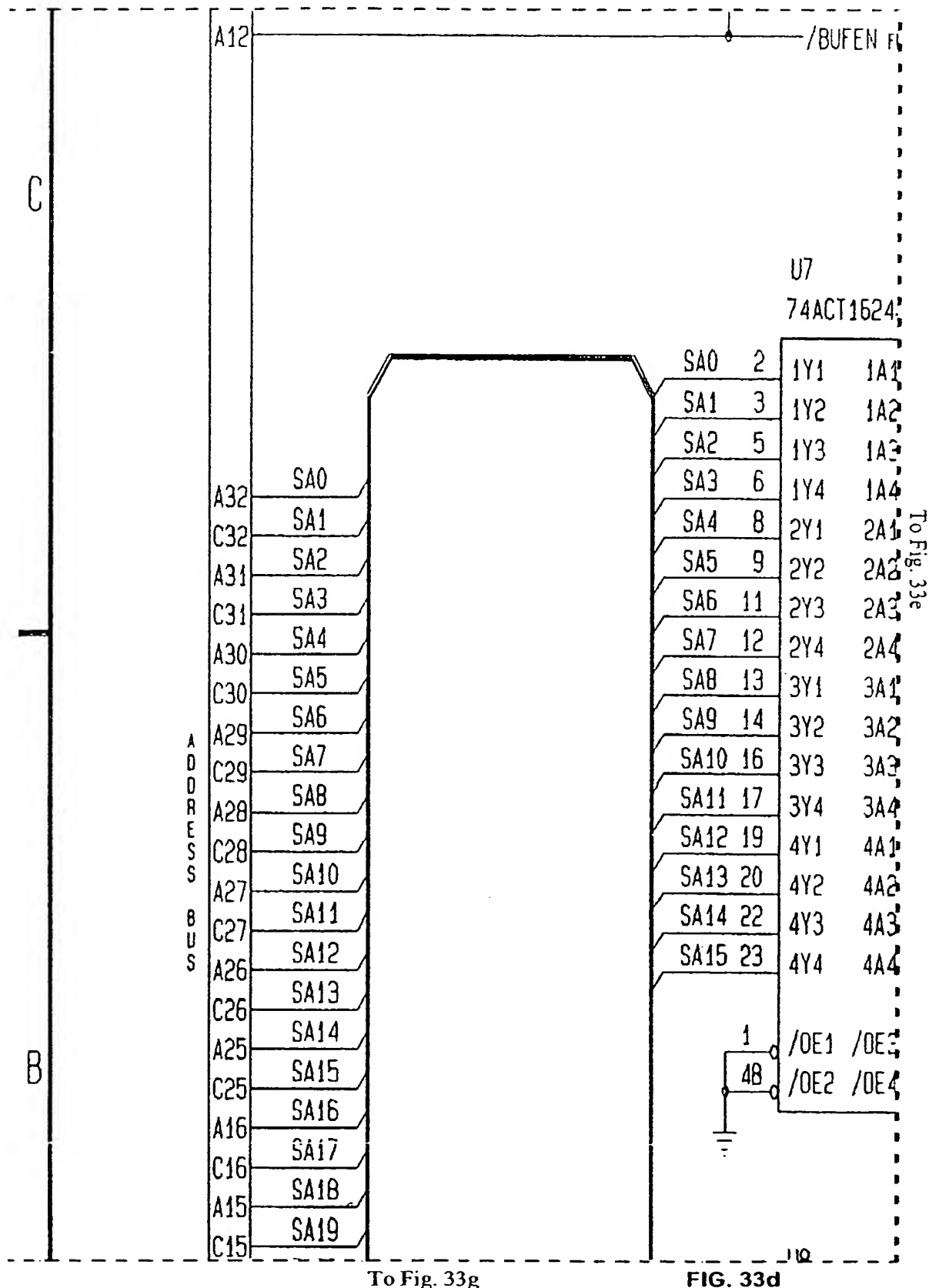


FIG. 33c



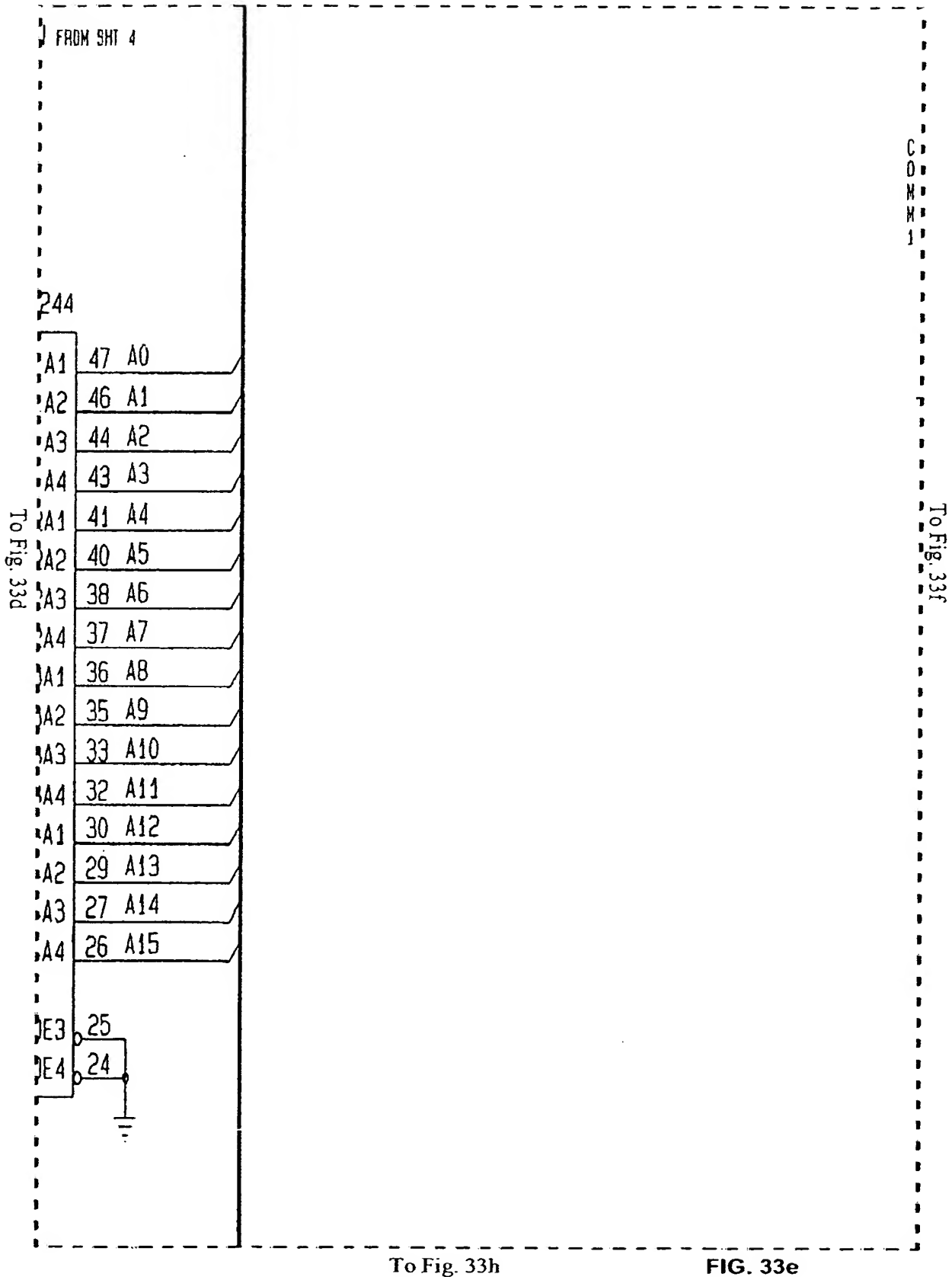
To Fig. 33a



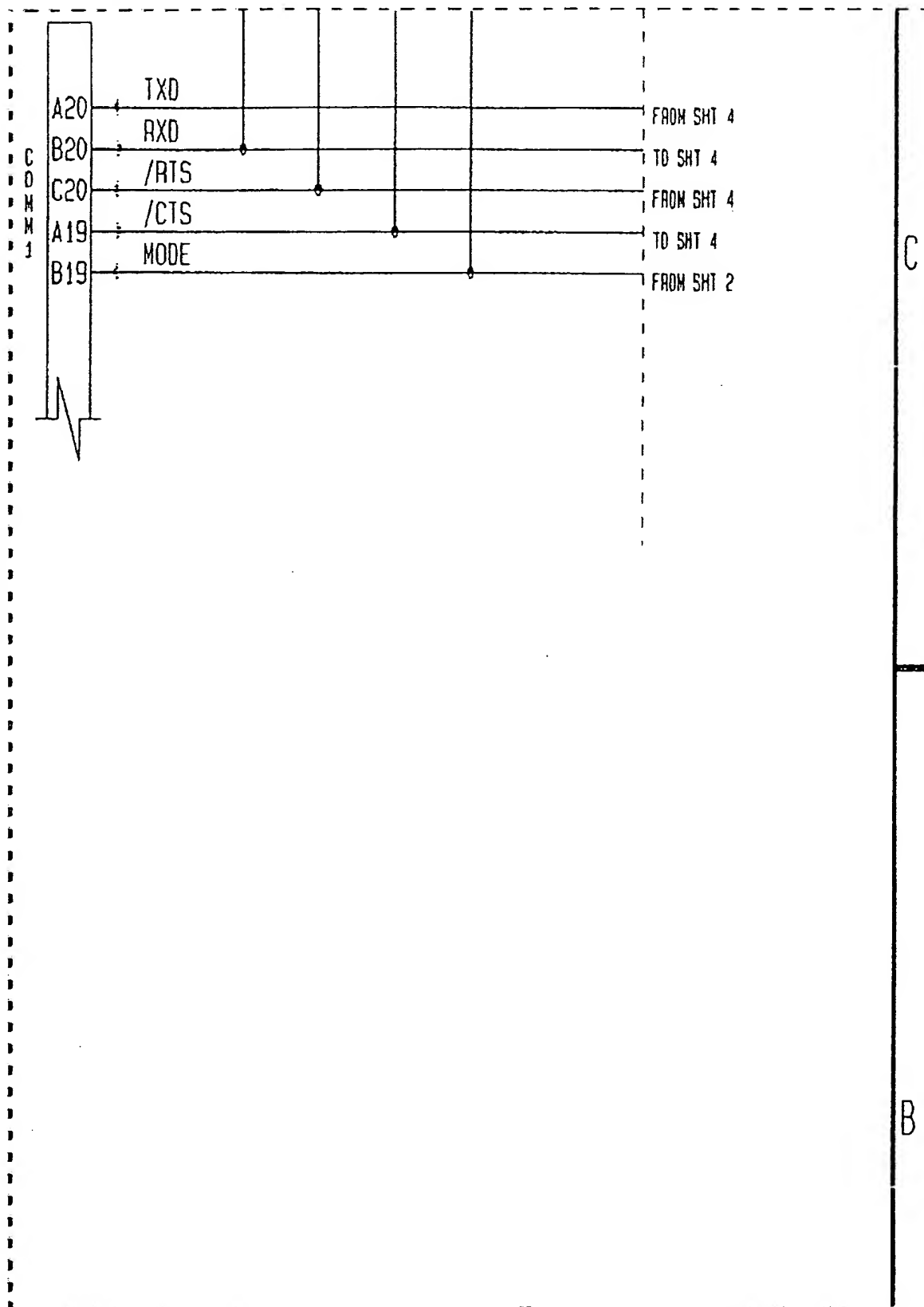
To Fig. 33g

FIG. 33d

To Fig. 33b



To Fig. 33c



To Fig. 33e

To Fig. 33i

FIG. 33f

To Fig. 33d

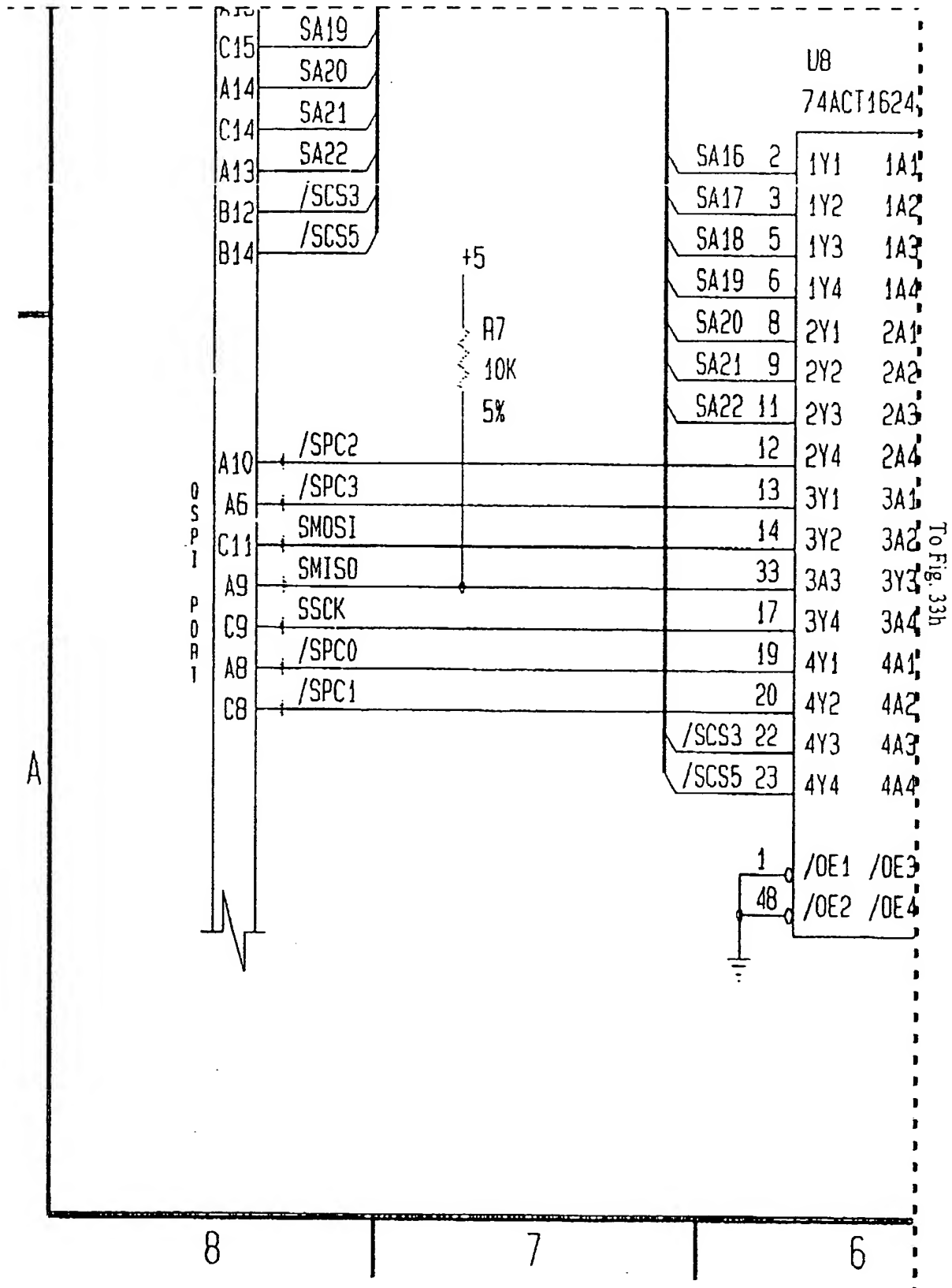


FIG. 33g

To Fig. 33e

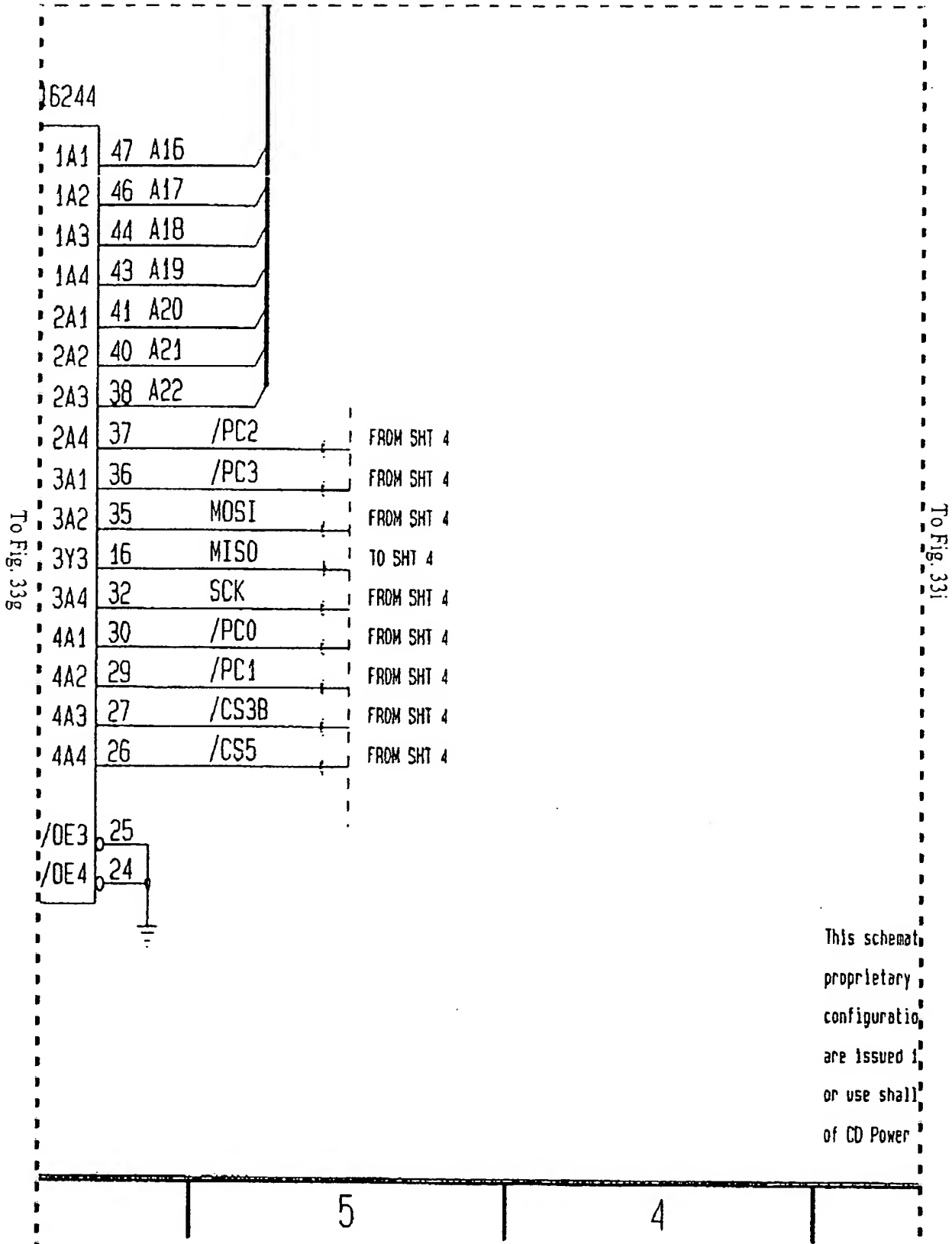


FIG. 33h

Inventor(s): Ronald G. Hart

Attorney Docket No. 027076, Serial No. 40068-431

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10/6/3,701

90 0707

To Fig. 33f

To Fig. 33h

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2

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FIG. 33i

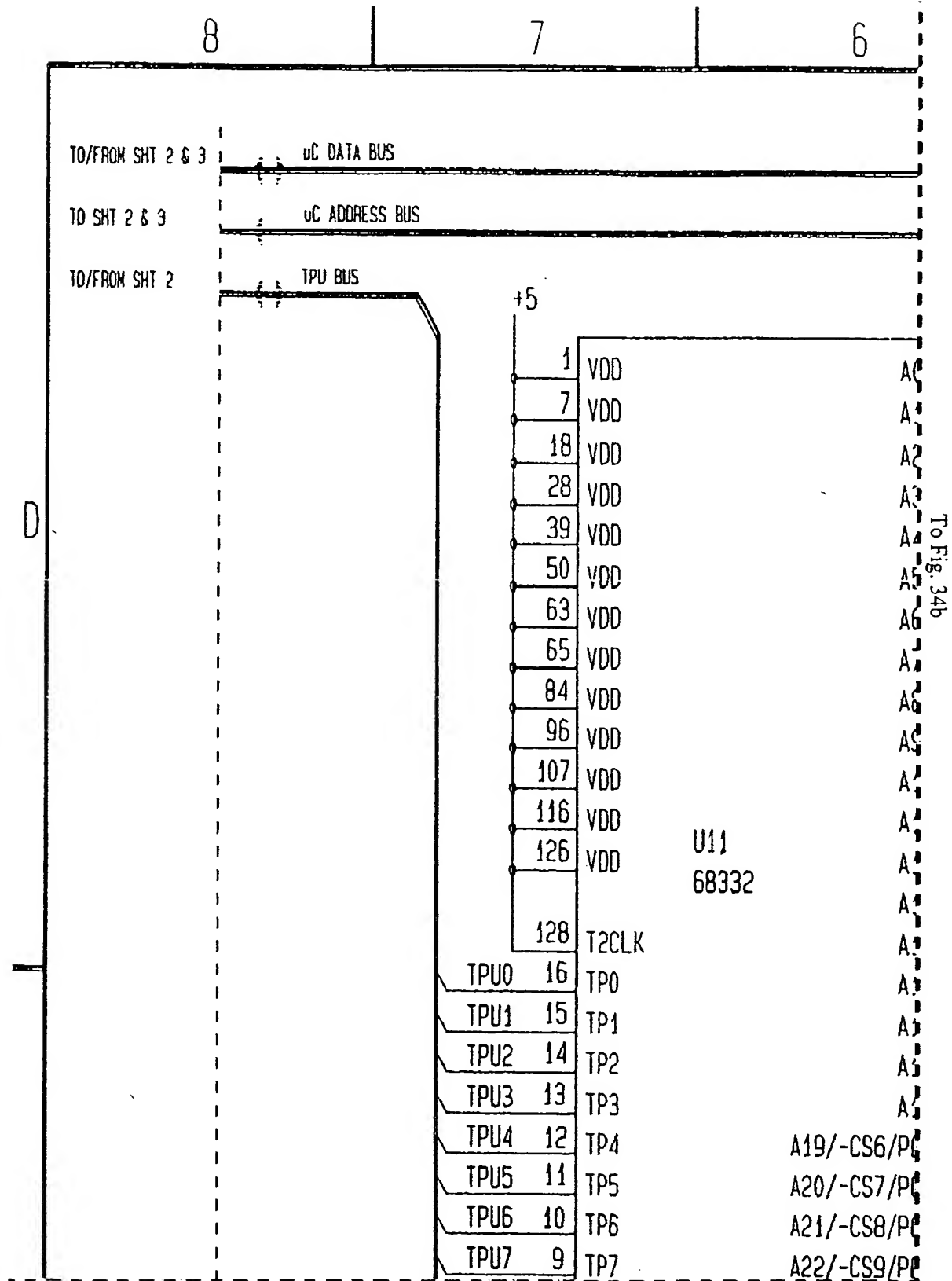
Inventor(s): Ronald G. Hart

Attorney Docket No. ~~6270776~~, Serial No. ~~10/068,434~~

6270110

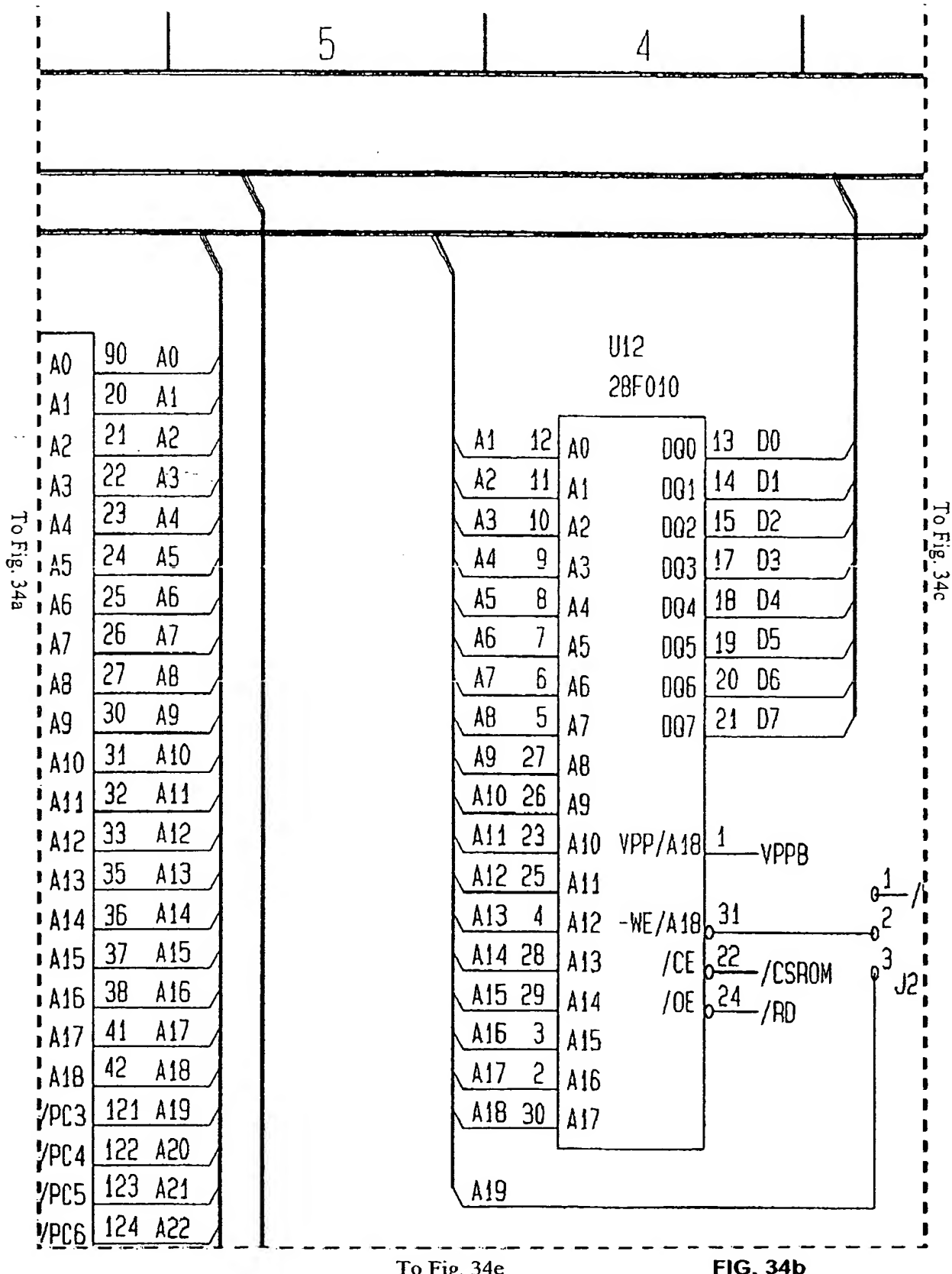
10/613,701

91 06 207



To Fig. 34d

FIG. 34a



To Fig. 34e

FIG. 34b



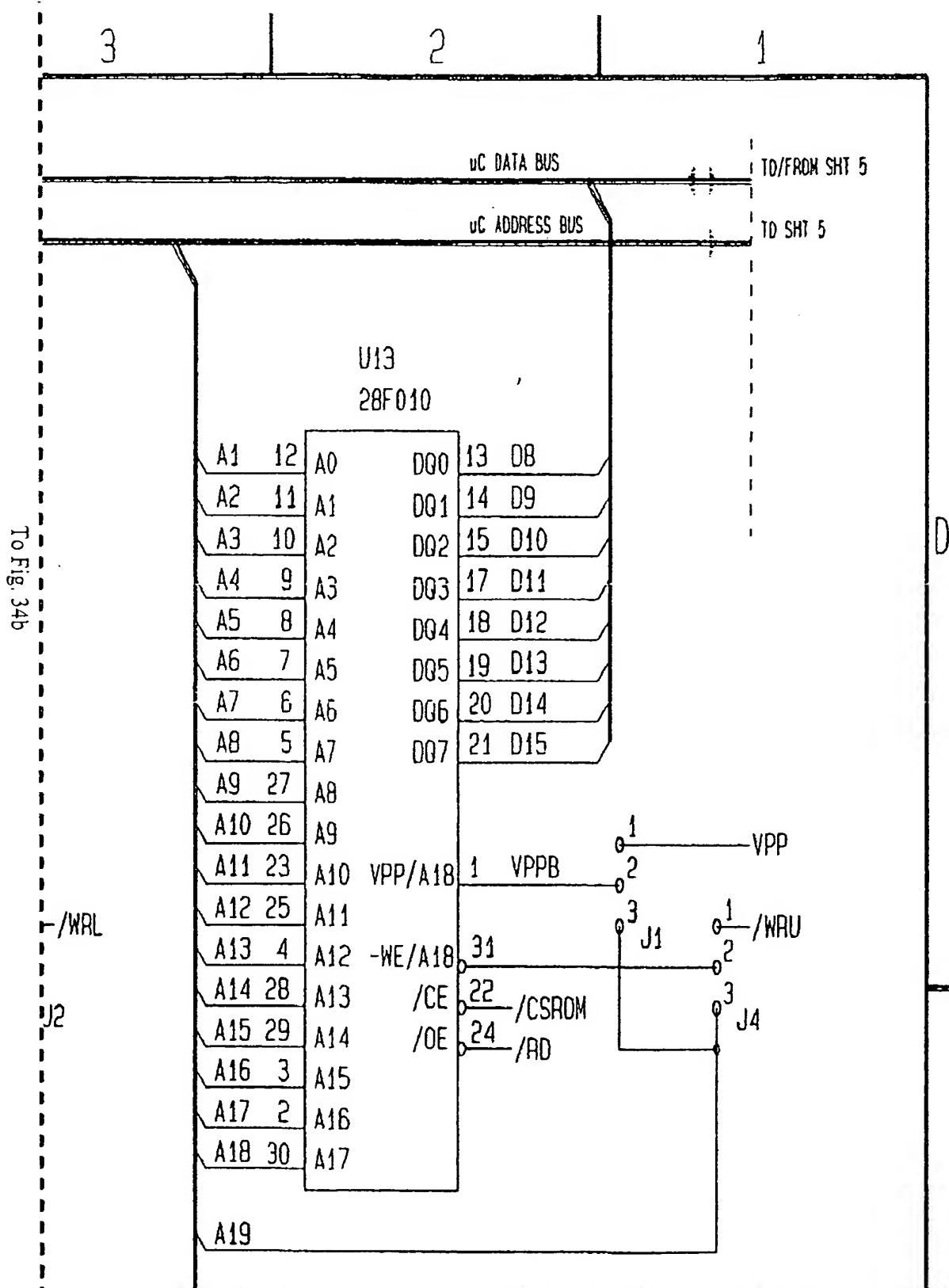
Inventor(s): Ronald G. Hart

Attorney Docket No. ~~6270/110~~, Serial No. ~~10/660,431~~

6270/110

10/613,701

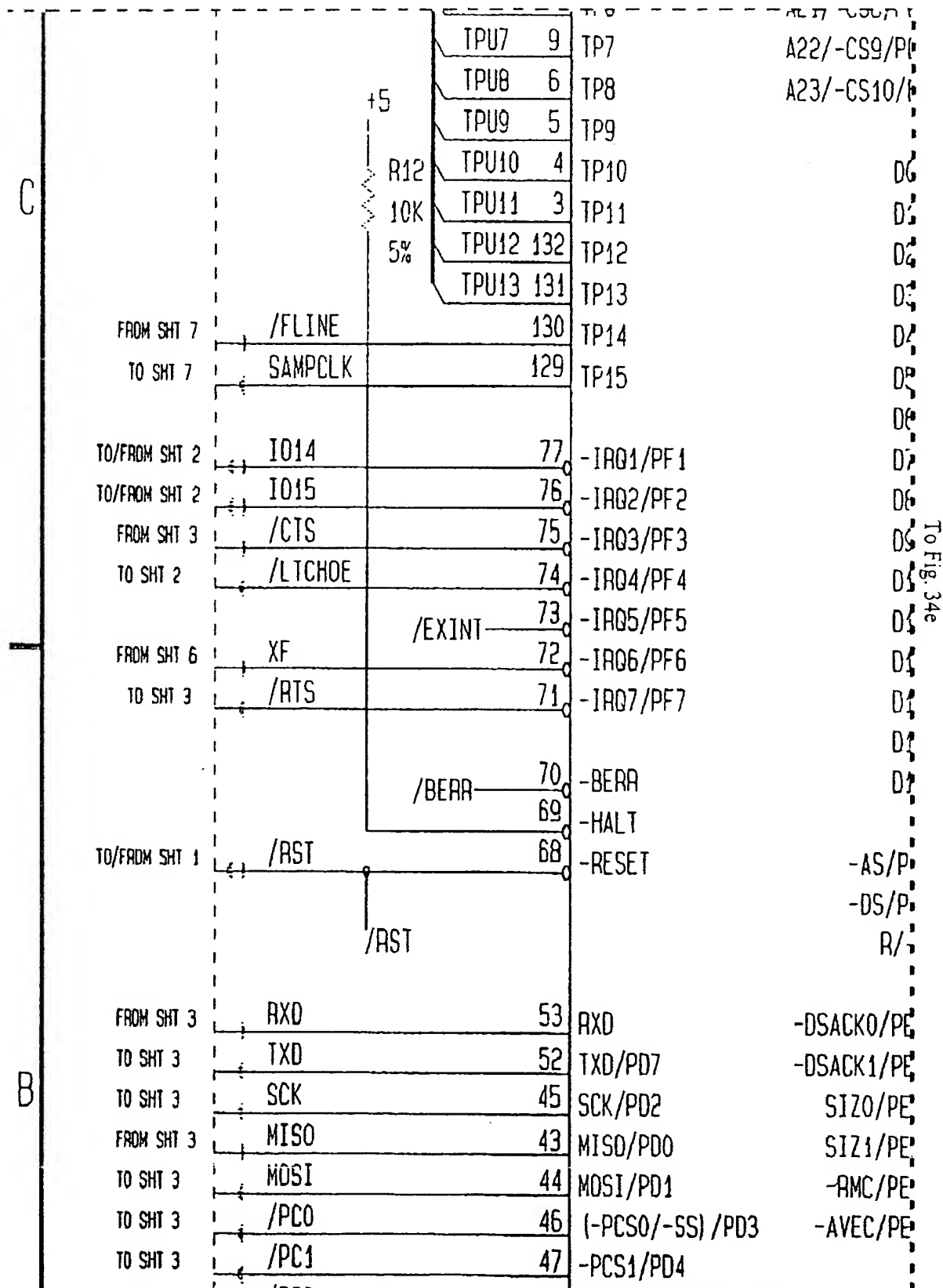
92 06 207



To Fig. 34f

FIG. 34c

To Fig. 34a



To Fig. 34g

FIG. 34d

Inventor(s): Ronald G. Hart

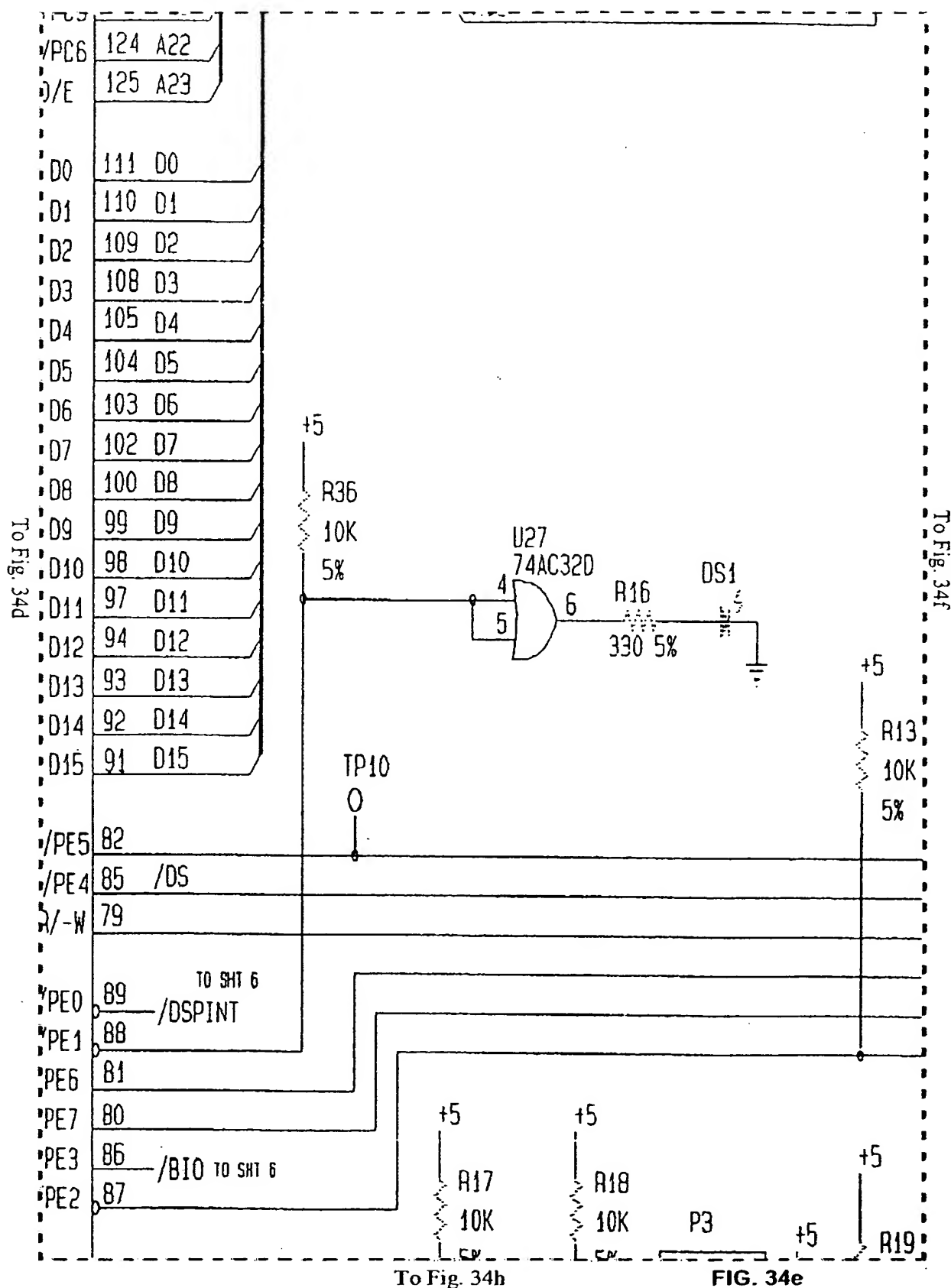
Attorney Docket No. ~~627076~~, Serial No. ~~10/068,434~~

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10/613,701

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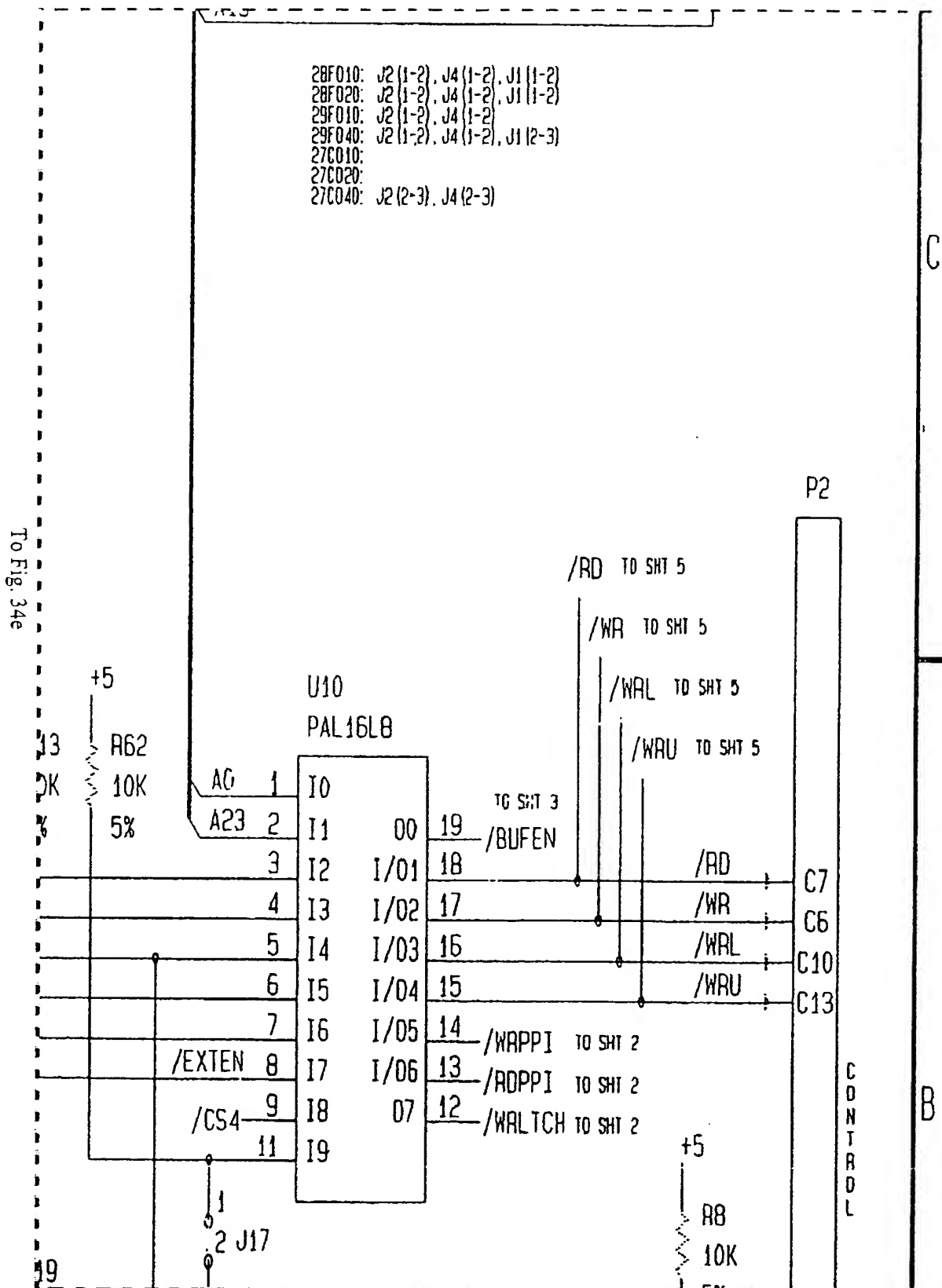
To Fig. 34b



To Fig. 34h

FIG. 34e

To Fig. 34c



To Fig. 34i

FIG. 34f

Inventor(s): Ronald G. Hart

Attorney Docket No. 627076, Serial No. 10068431

6270/10

10/613,701

97 06207

To Fig. 34d

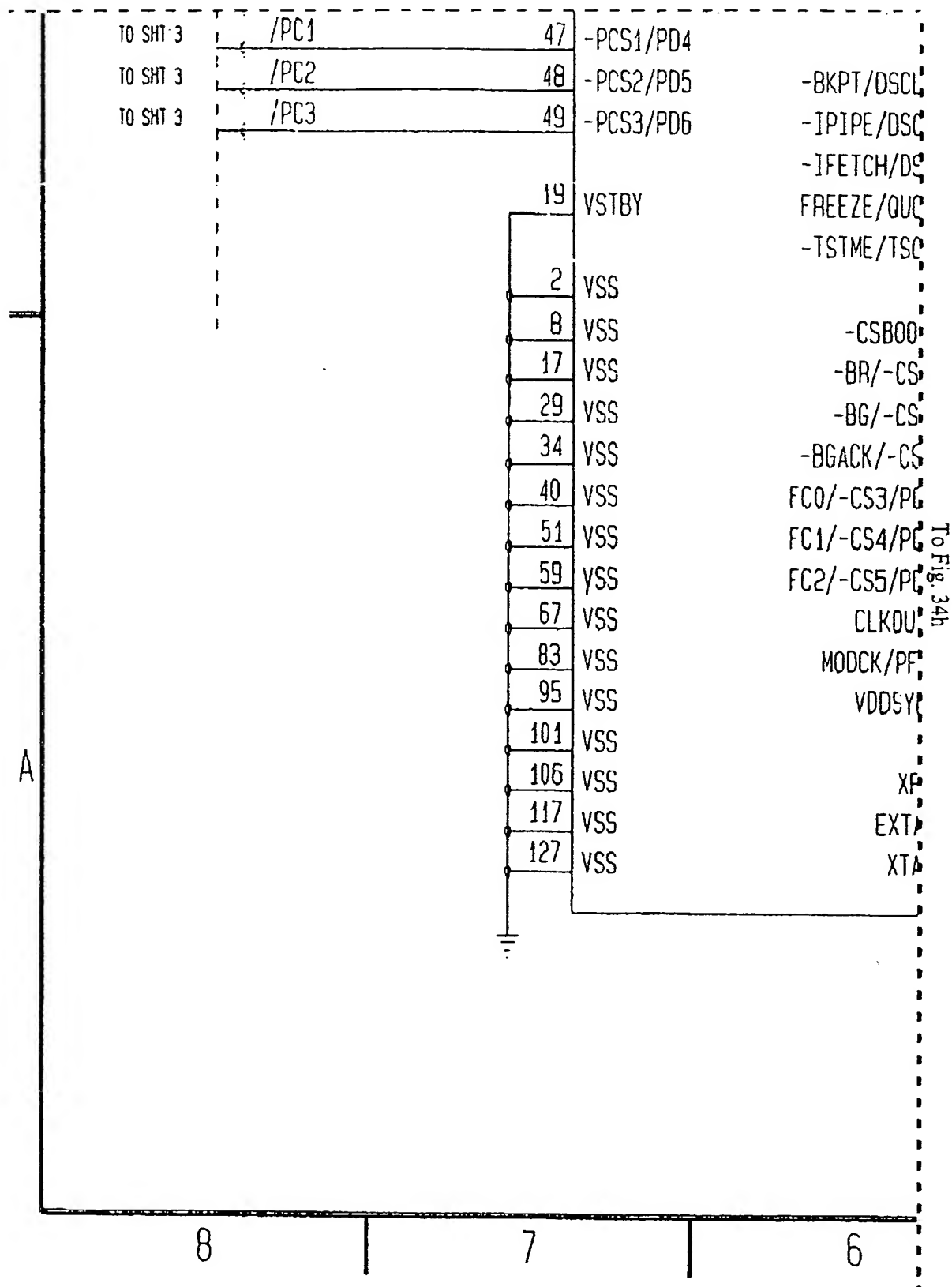


FIG. 34g

6270/110

10/6/3,701

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To Fig. 34e

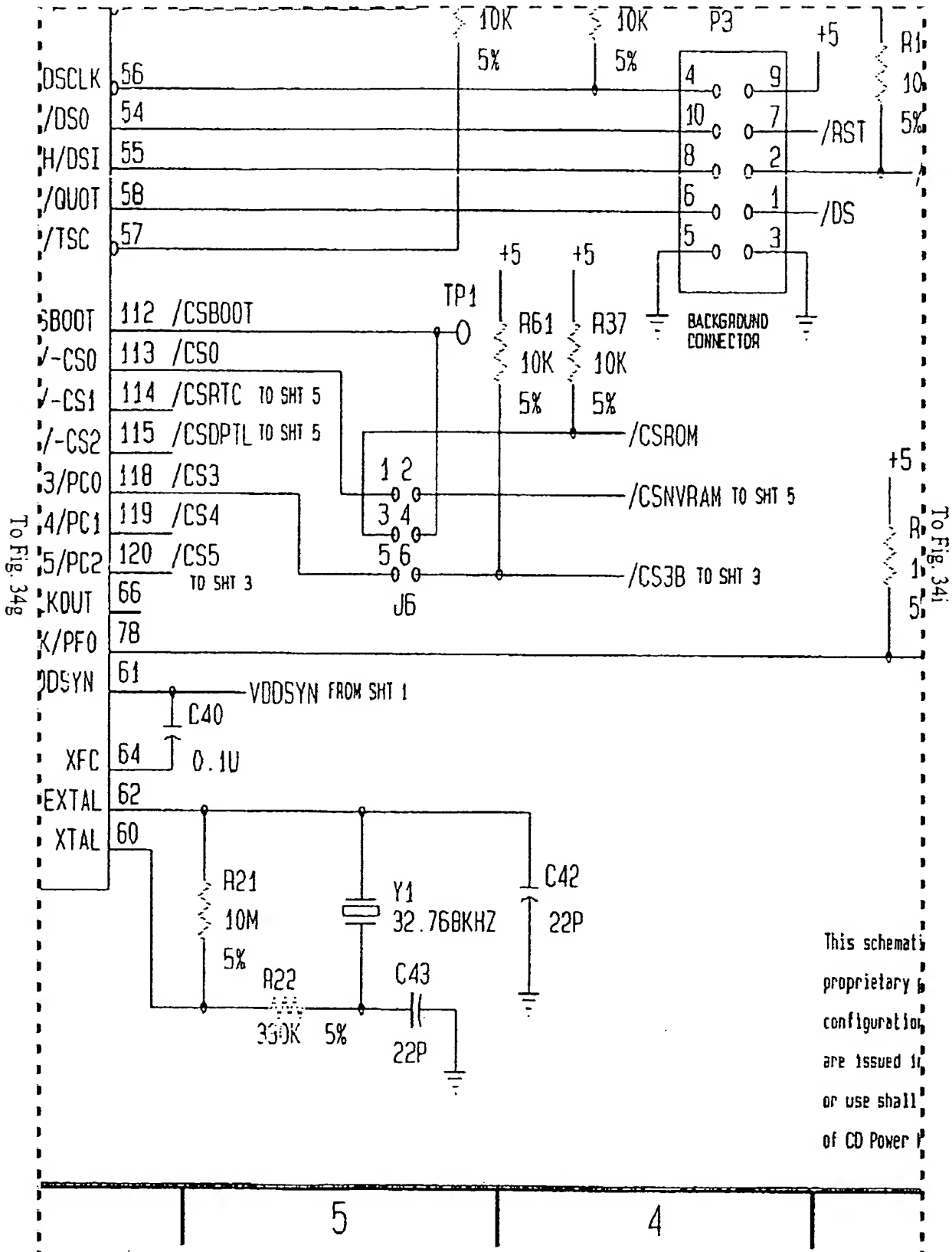


FIG. 34h

This schematic is a proprietary configuration, and its use shall be limited to the use of CD Power.

Inventor(s): Ronald G. Hart

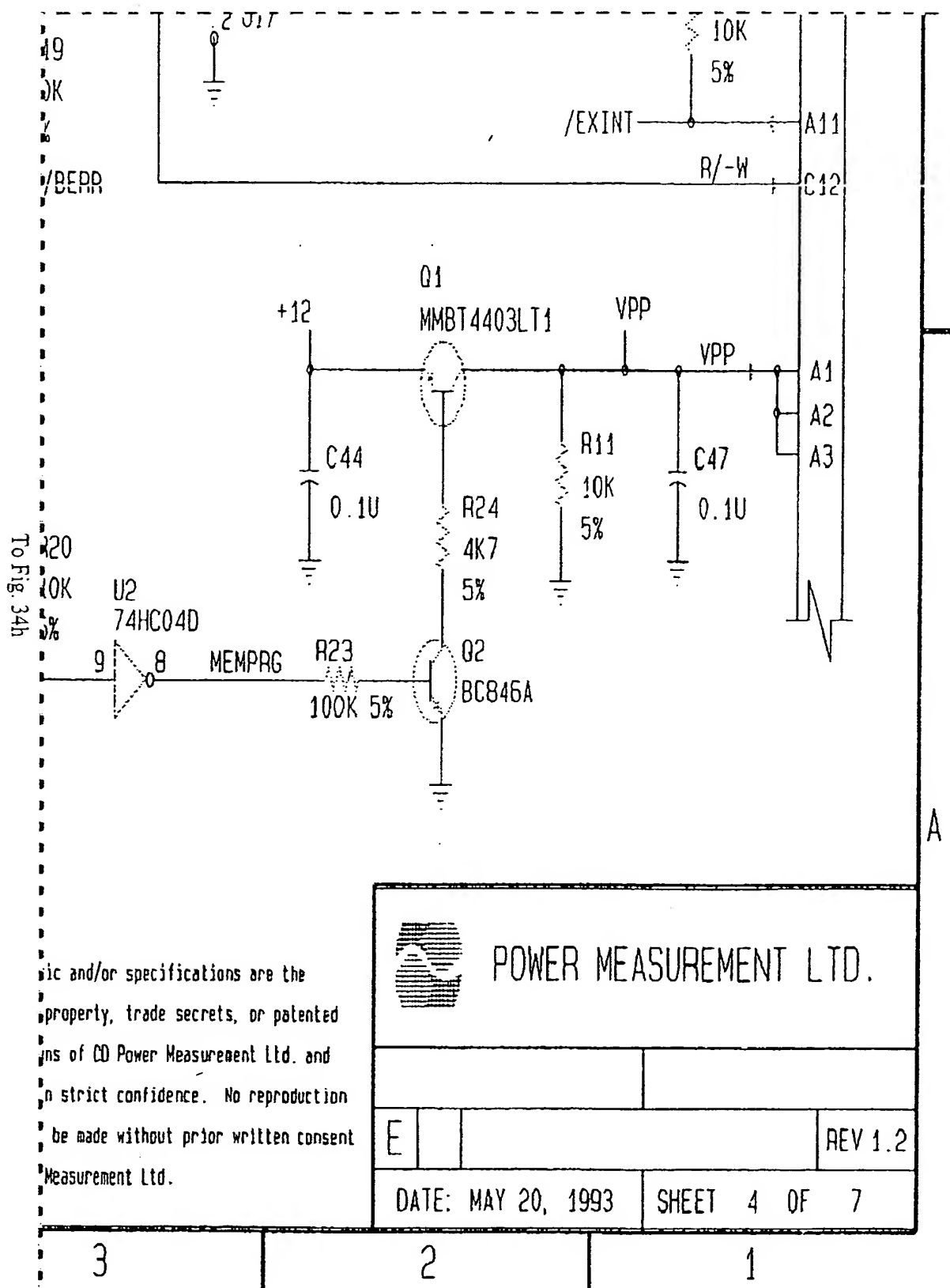
Attorney Docket No. ~~627076~~, Serial No. ~~10/068,431~~  
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99 07 207

To Fig. 34f



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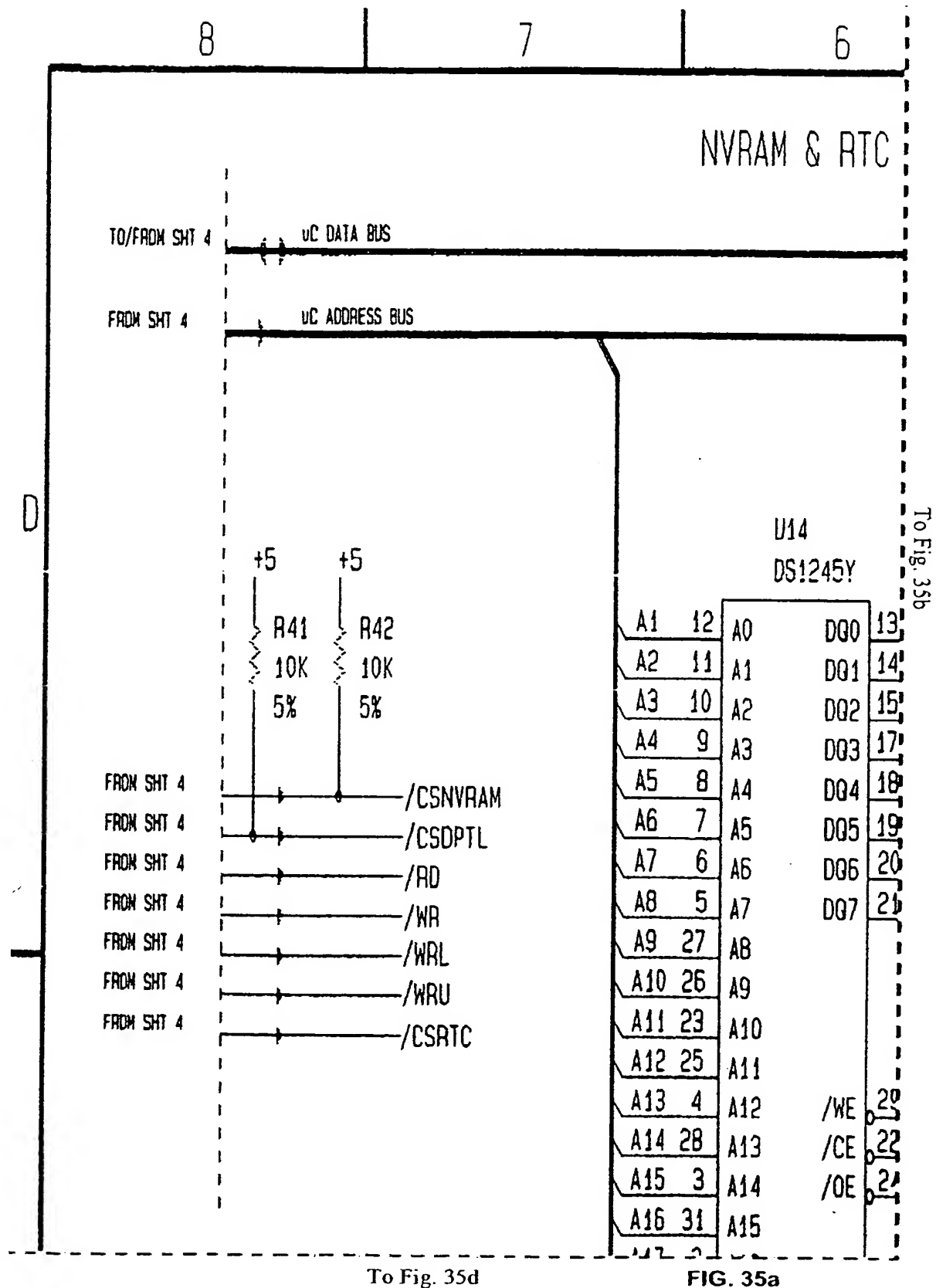
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FIG. 34i



To Fig. 35d

FIG. 35a



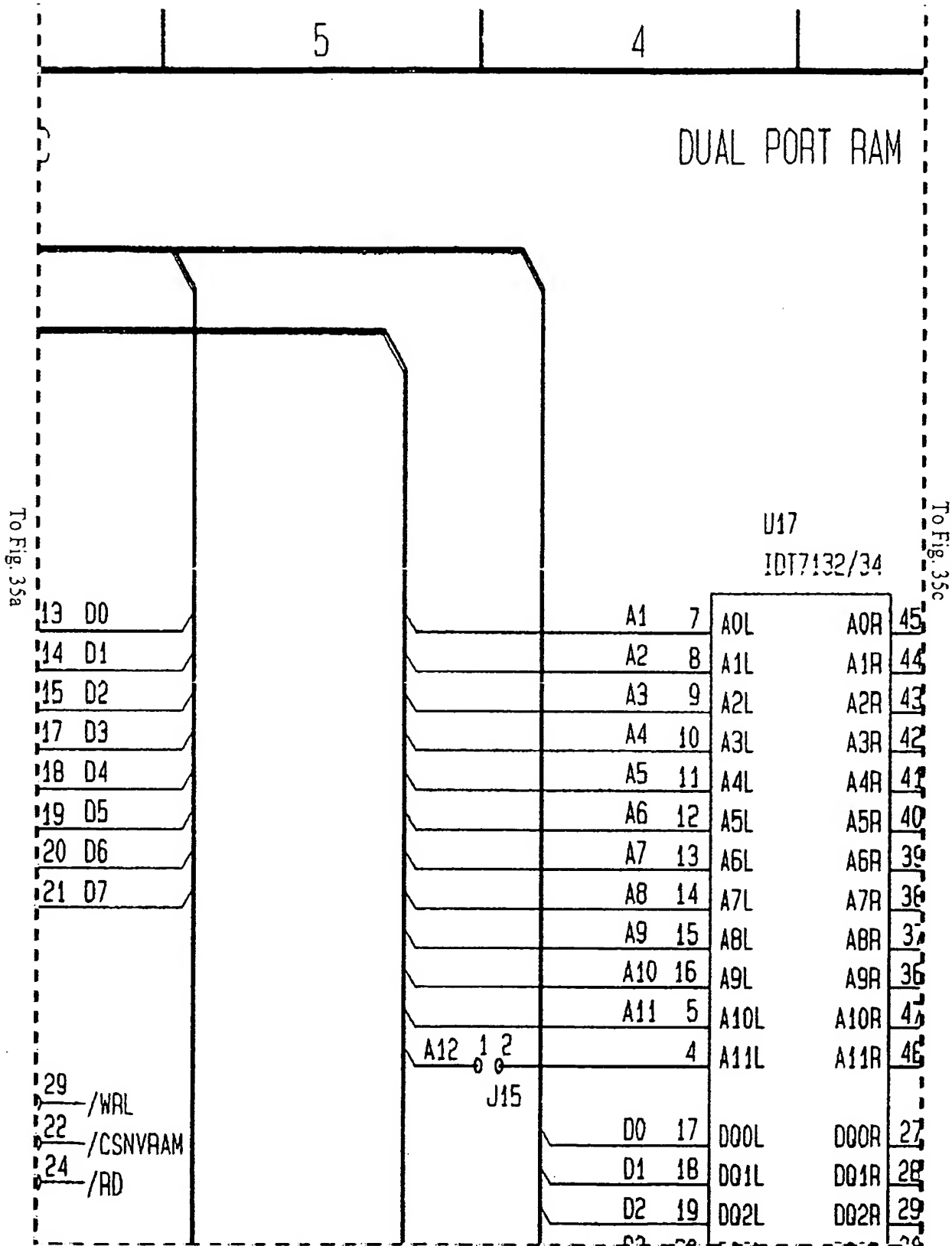
Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/76, Serial No. 10/060,431

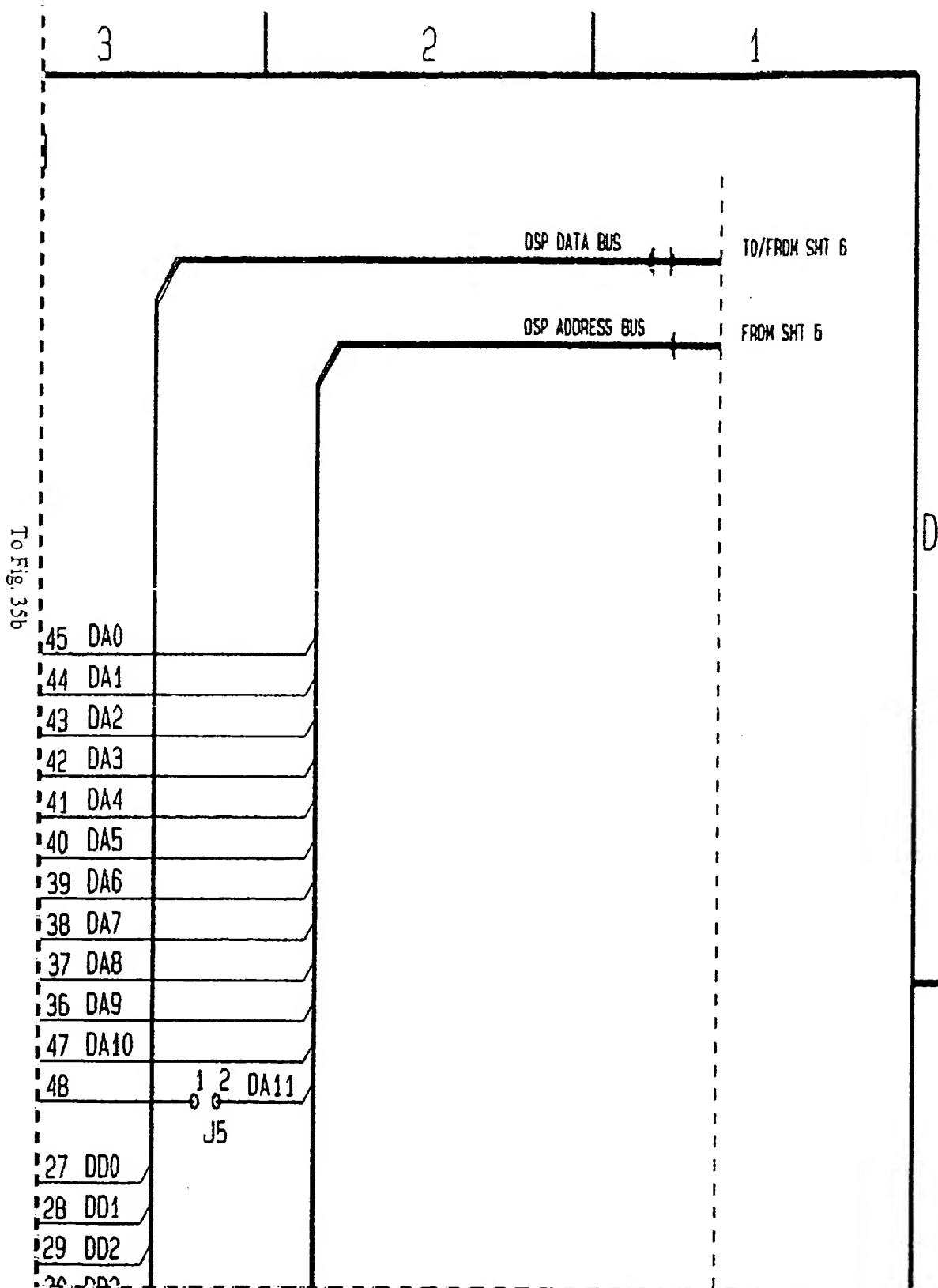
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6270/110 10/613,701



To Fig. 35c

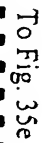
FIG. 35b



To Fig. 35f

FIG. 35c

C



B

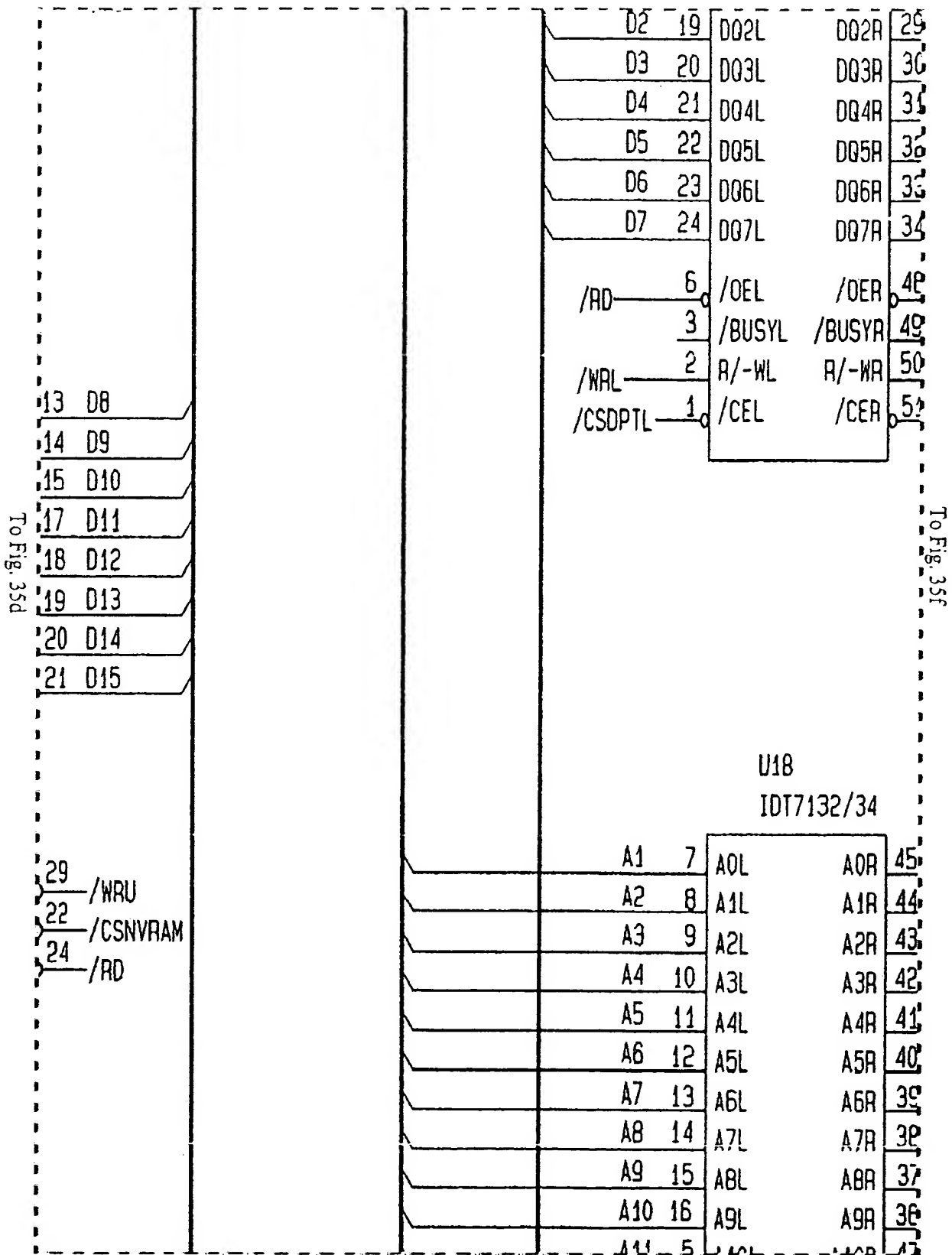
**FIG. 35d**

Inventor(s): Ronald G. Hart

Attorney Docket No. ~~6270776~~ 6270776, Serial No. ~~4066643~~ 10/613,701  
6270776

104 00 707

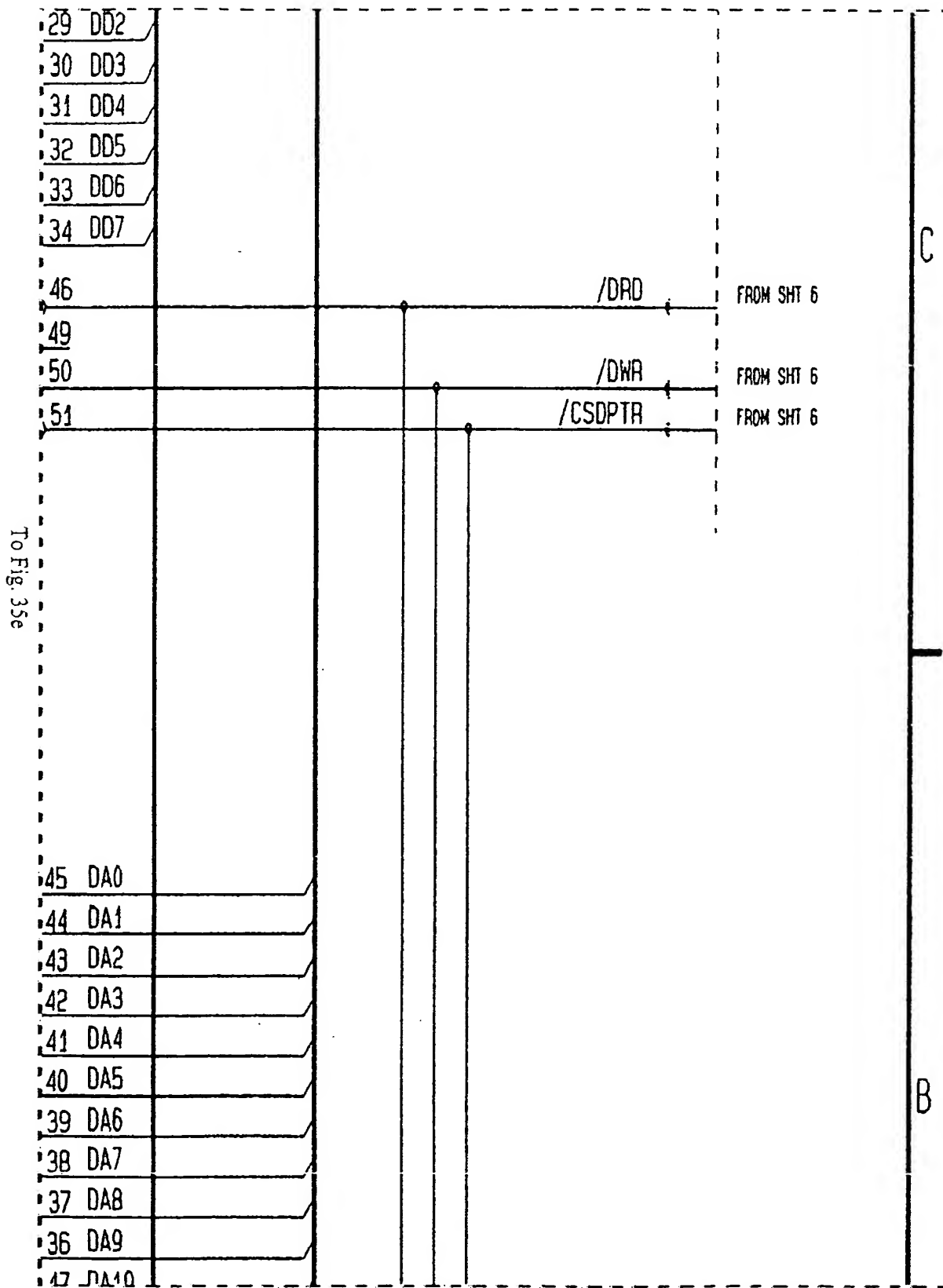
To Fig. 35b



To Fig. 35h

FIG. 35e

To Fig. 35c

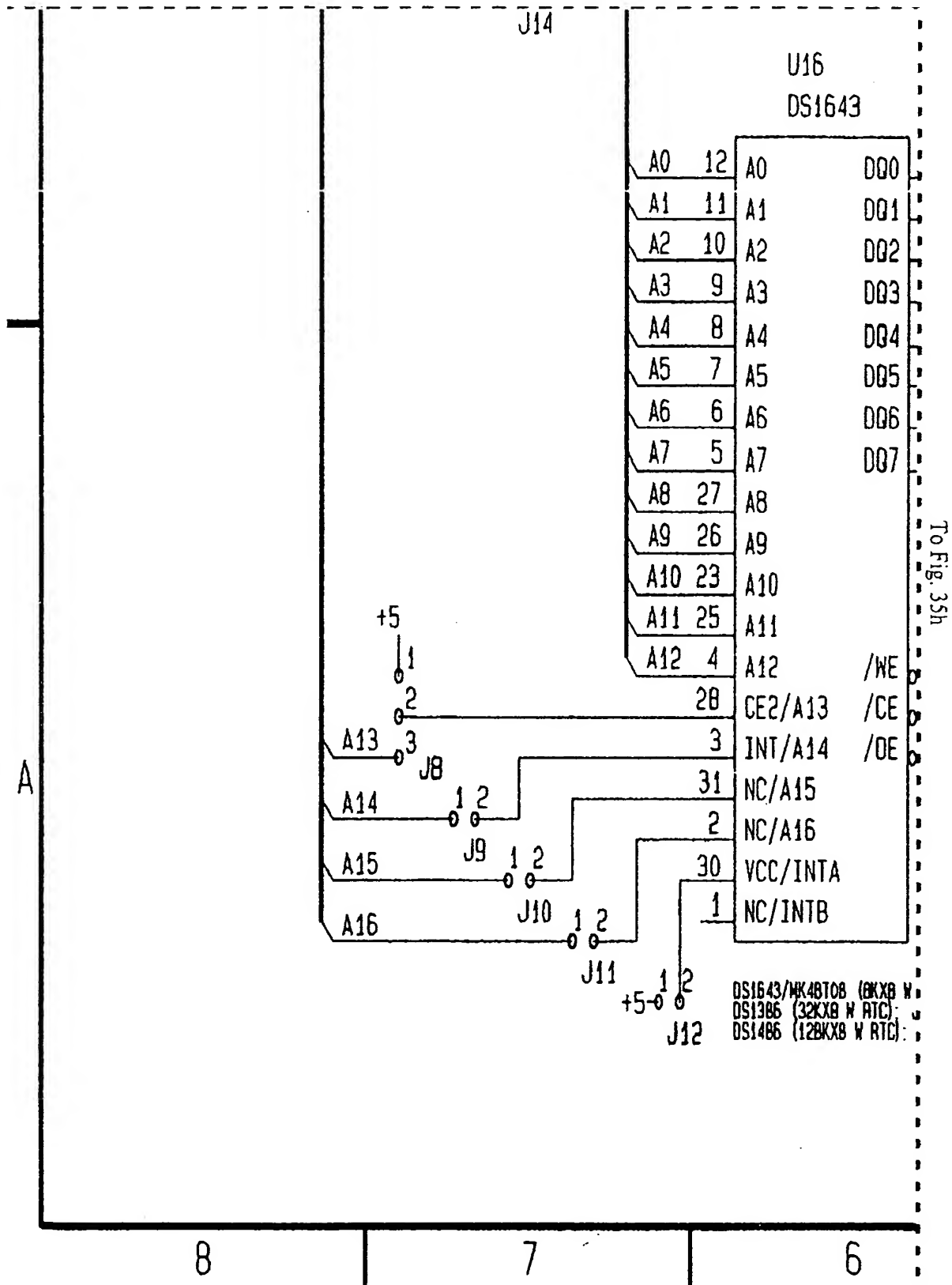


To Fig. 35e

To Fig. 35i

FIG. 35f

To Fig. 35d



To Fig. 35e

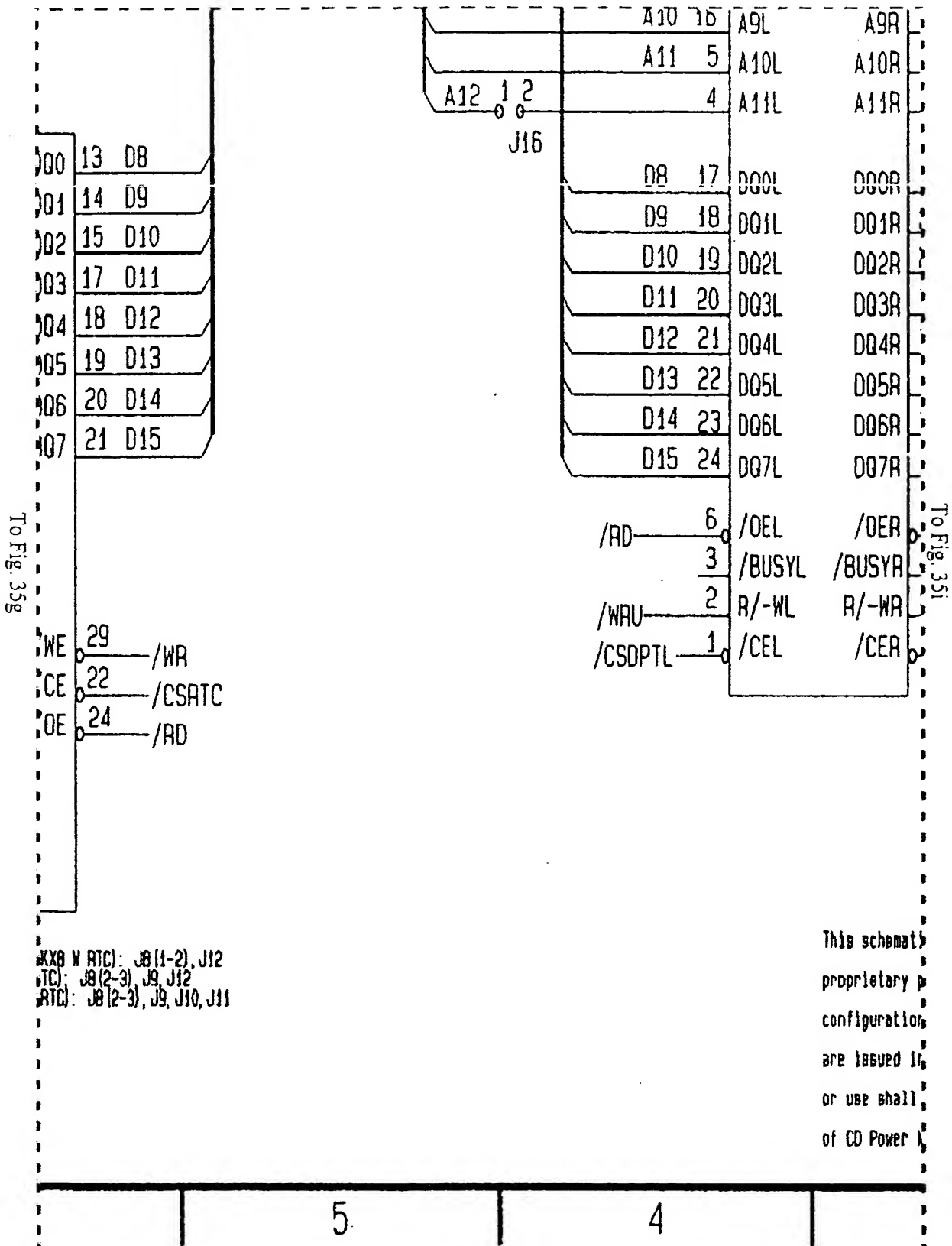


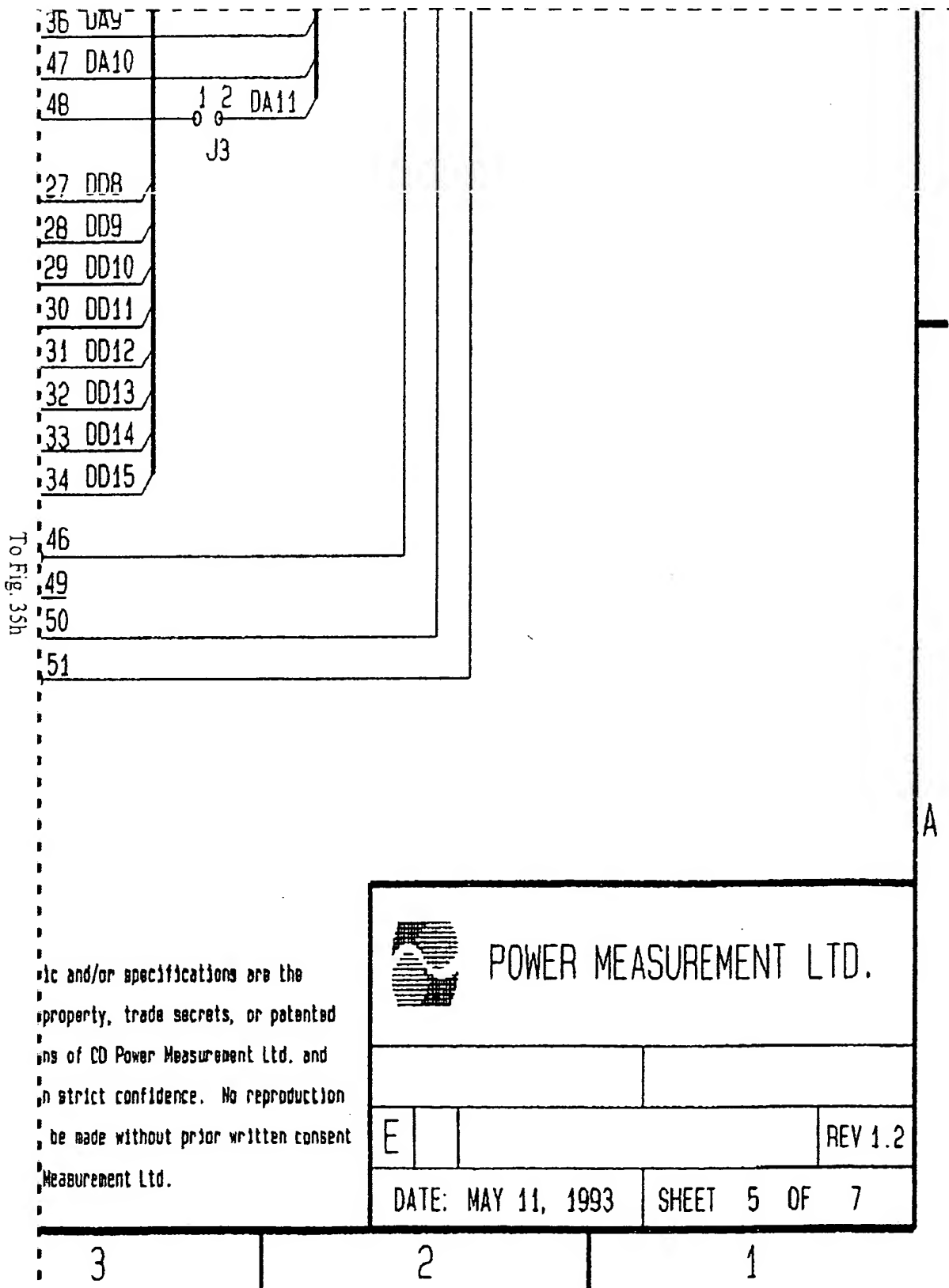
FIG. 35h

Inventor(s): Ronald G. Hart

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108 9 2 07

To Fig. 35f



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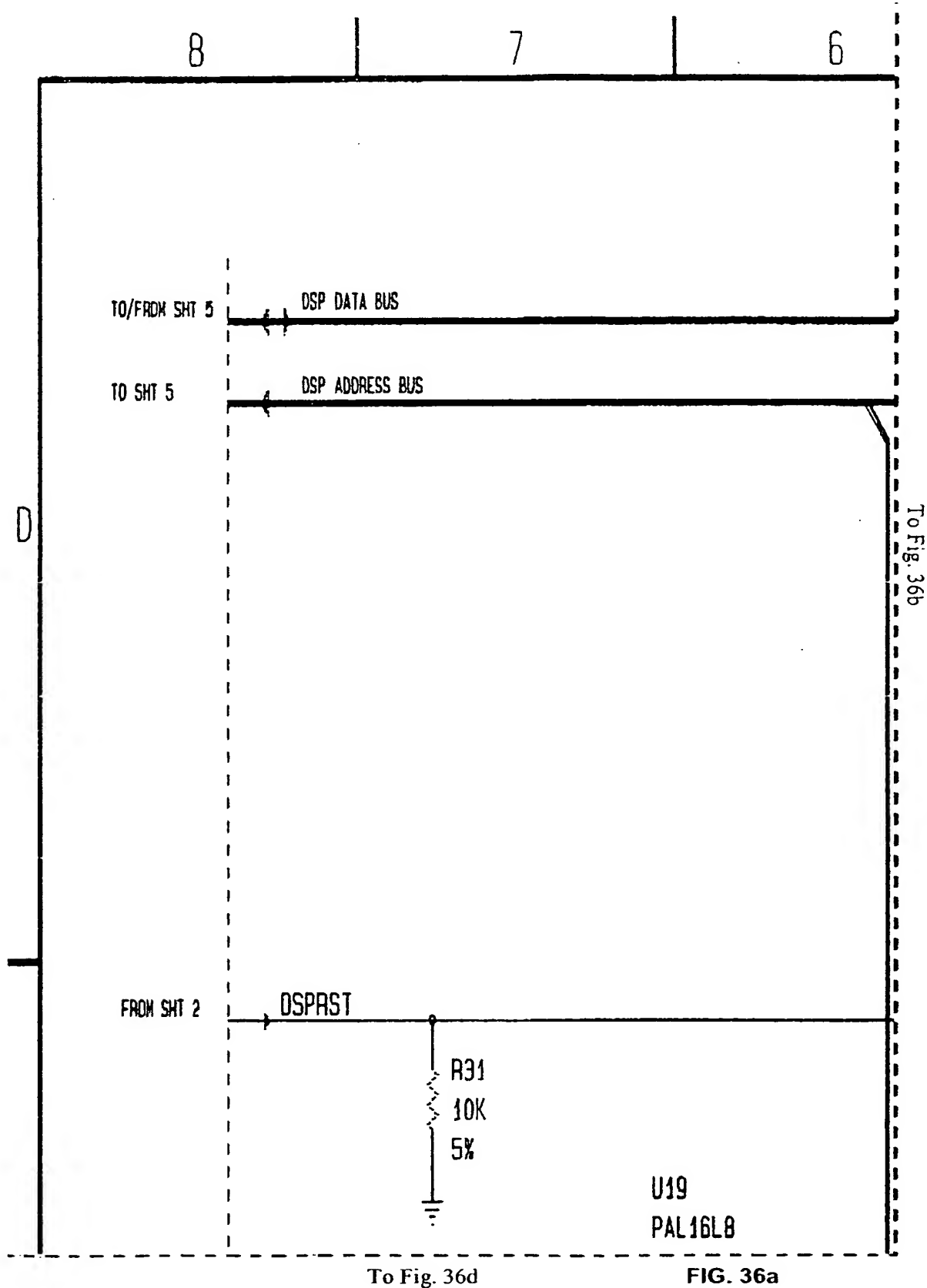
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FIG. 35i



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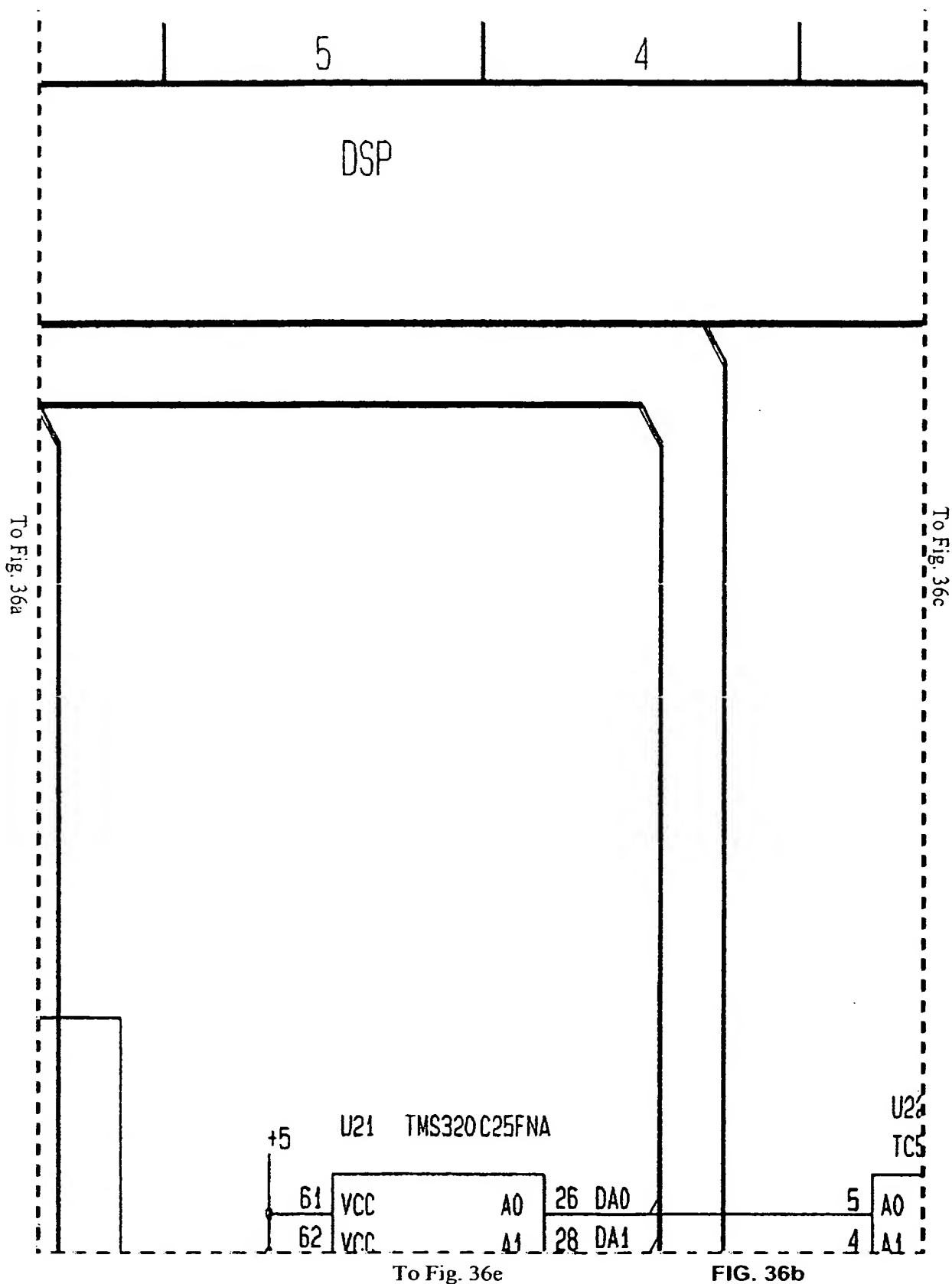


Inventor(s): Ronald G. Hart

Attorney Docket No. ~~6270/110~~ 6270/110, Serial No. ~~10/068,434~~ 10/613,701

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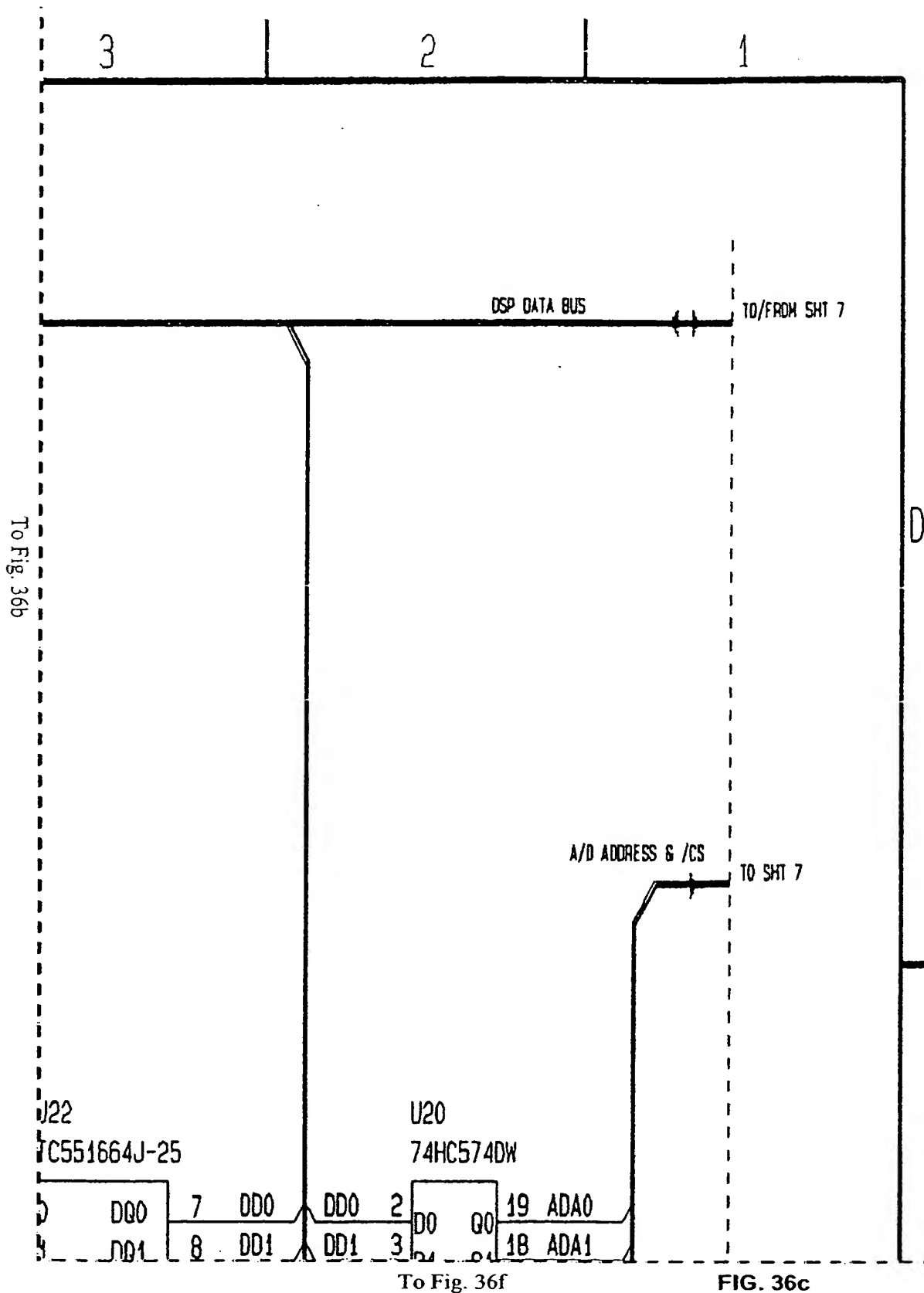
Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/10, Serial No. 10/613,701

6270/110

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To Fig. 36f

FIG. 36c

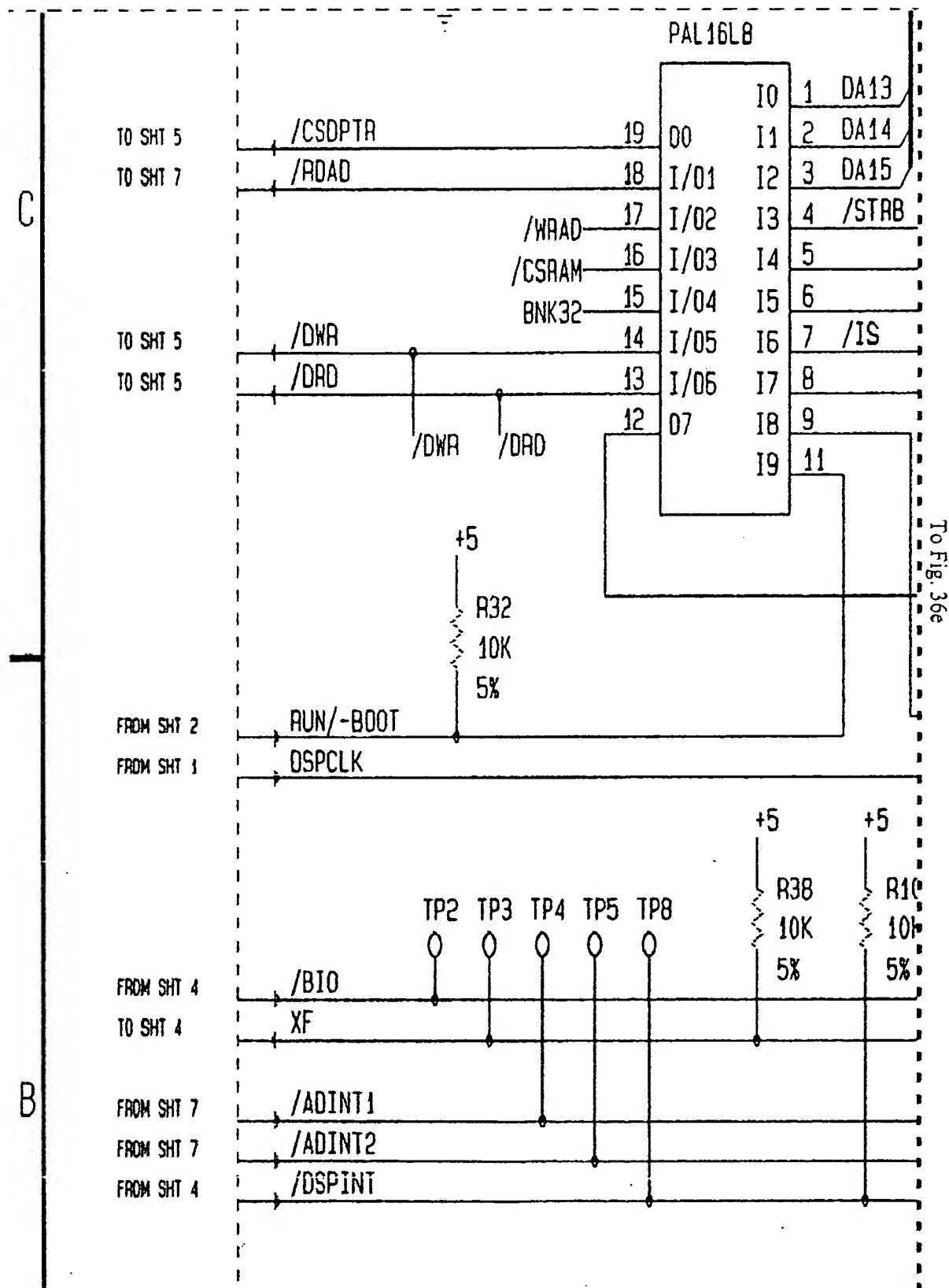
Inventor(s): Ronald G. Hart

Attorney Docket No. 627076, Serial No. 10/068,434 10/613,701

6270110

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To Fig. 36a



To Fig. 36e

To Fig. 36g

FIG. 36d

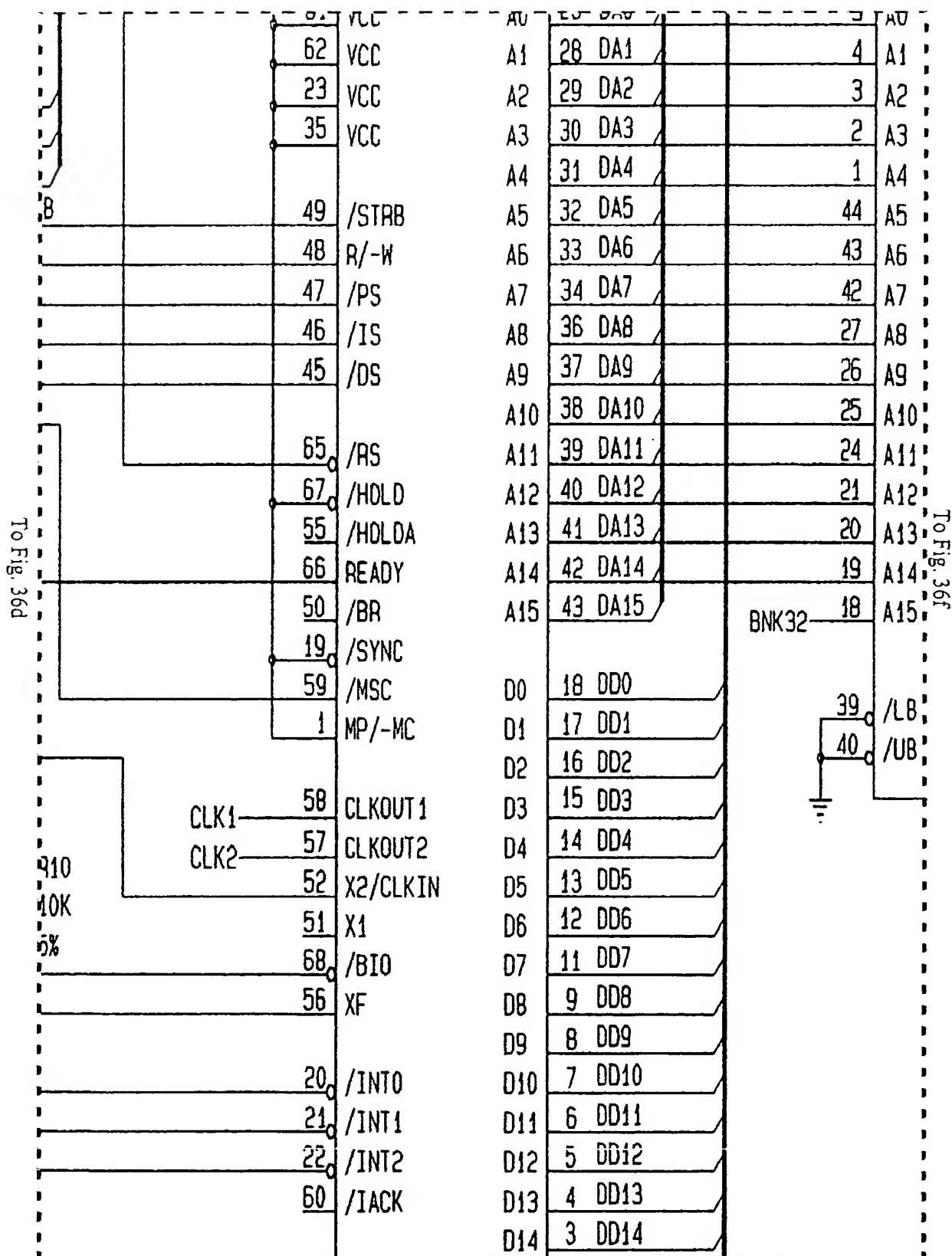
Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/110 Serial No. 10/613,701

113 66 207

To Fig. 36b



To Fig. 36h

FIG. 36e



Inventor(s): Ronald G. Hart

Attorney Docket No. ~~6270/76~~, Serial No. ~~40/068,431~~ 10/613,701  
6270/110

115 08 207

To Fig. 36d

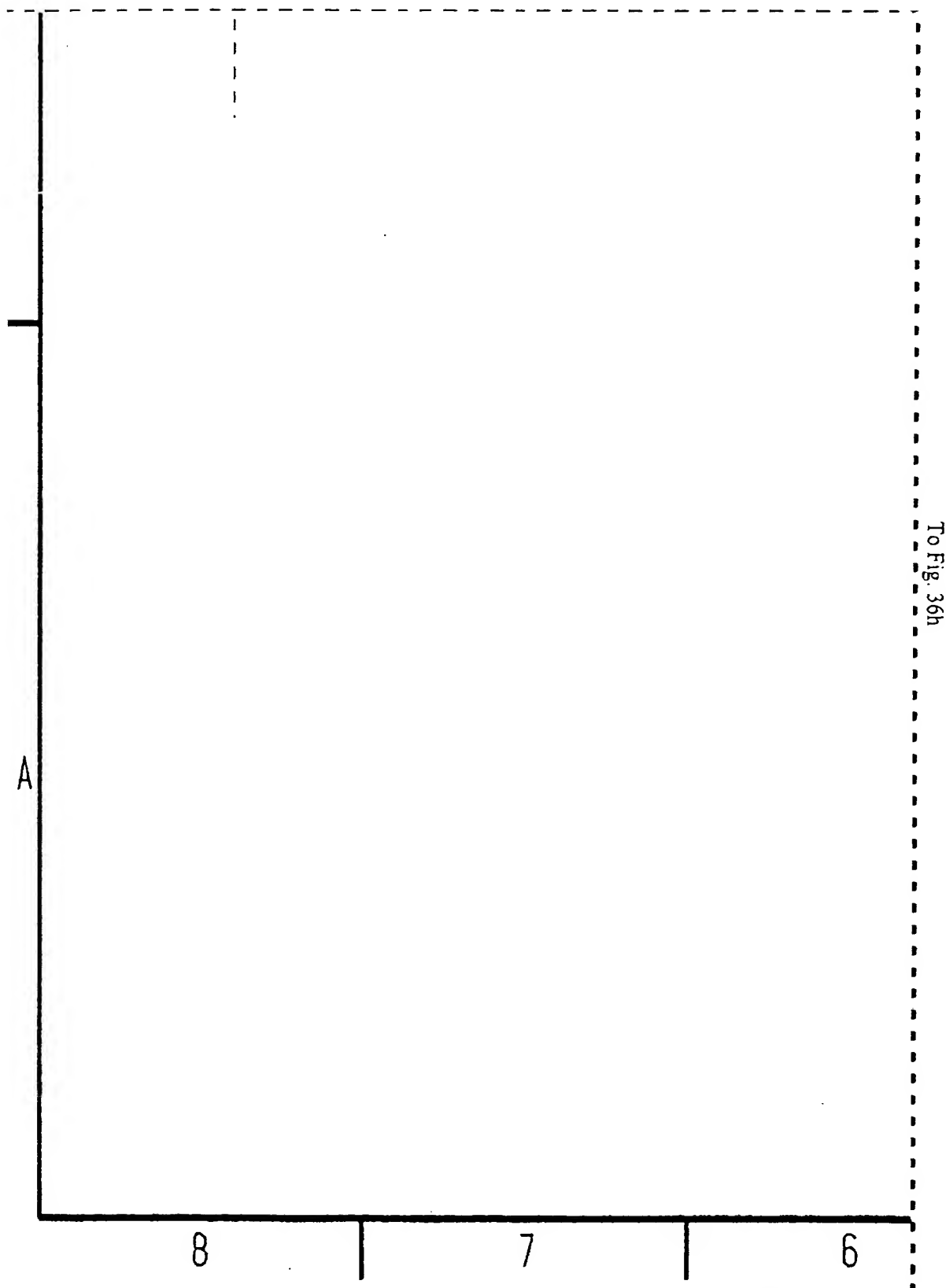
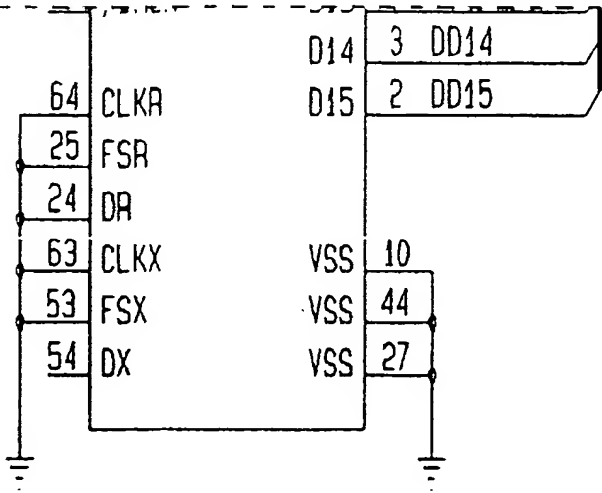


FIG. 36g

To Fig. 36e



To Fig. 36g

To Fig. 36i

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configuration  
are issued if  
or use shall  
of CD Power P

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FIG. 36h



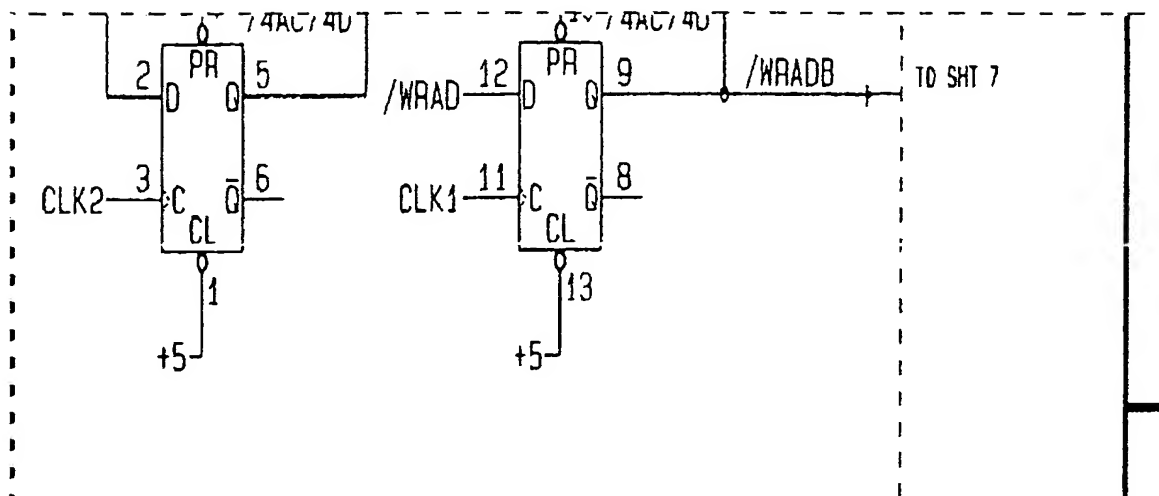
Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/110, Serial No. 10/068,431 10/613,701

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117 06 207

To Fig. 36f



To Fig. 36h

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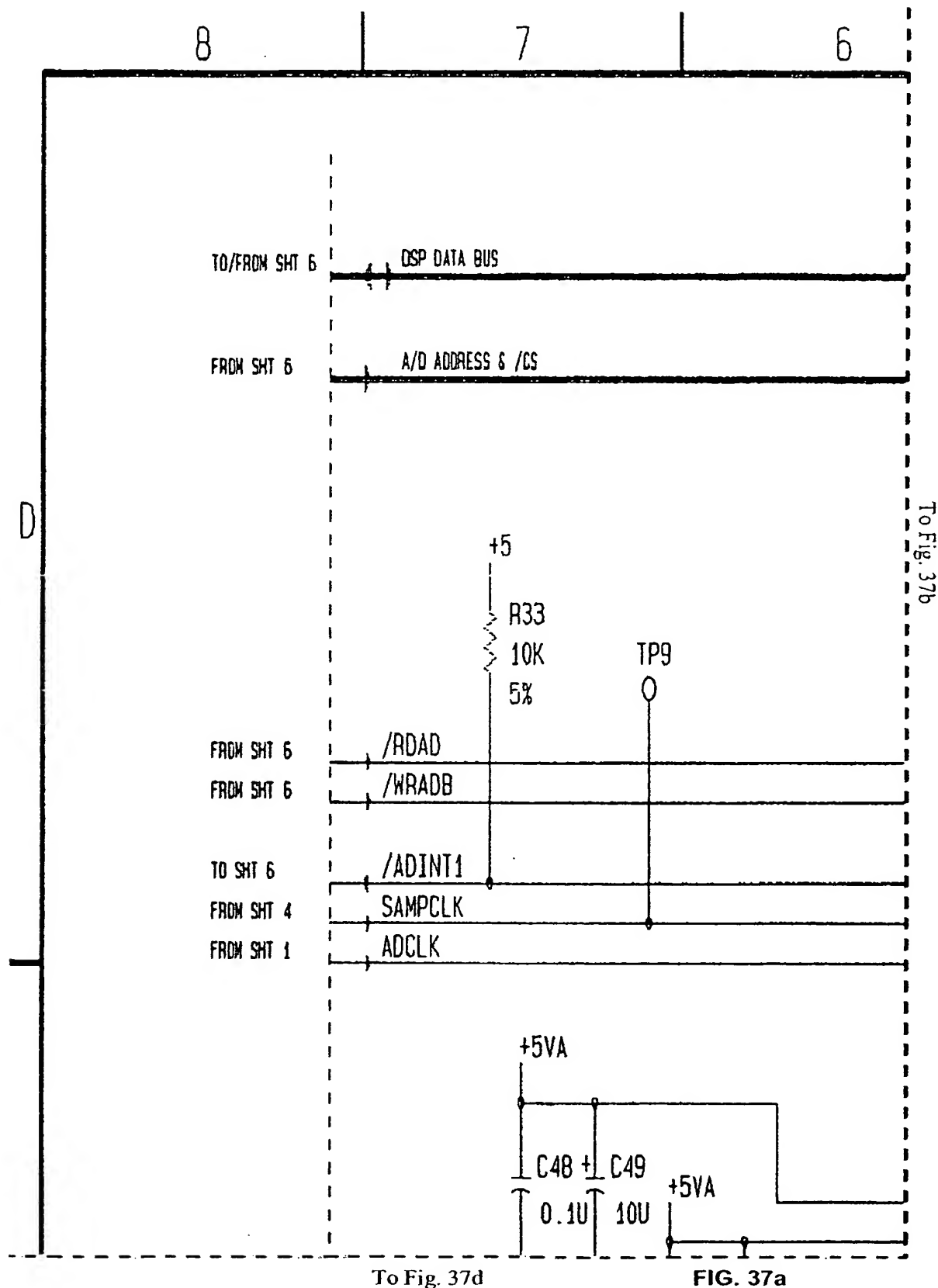
SHEET 6 OF 7

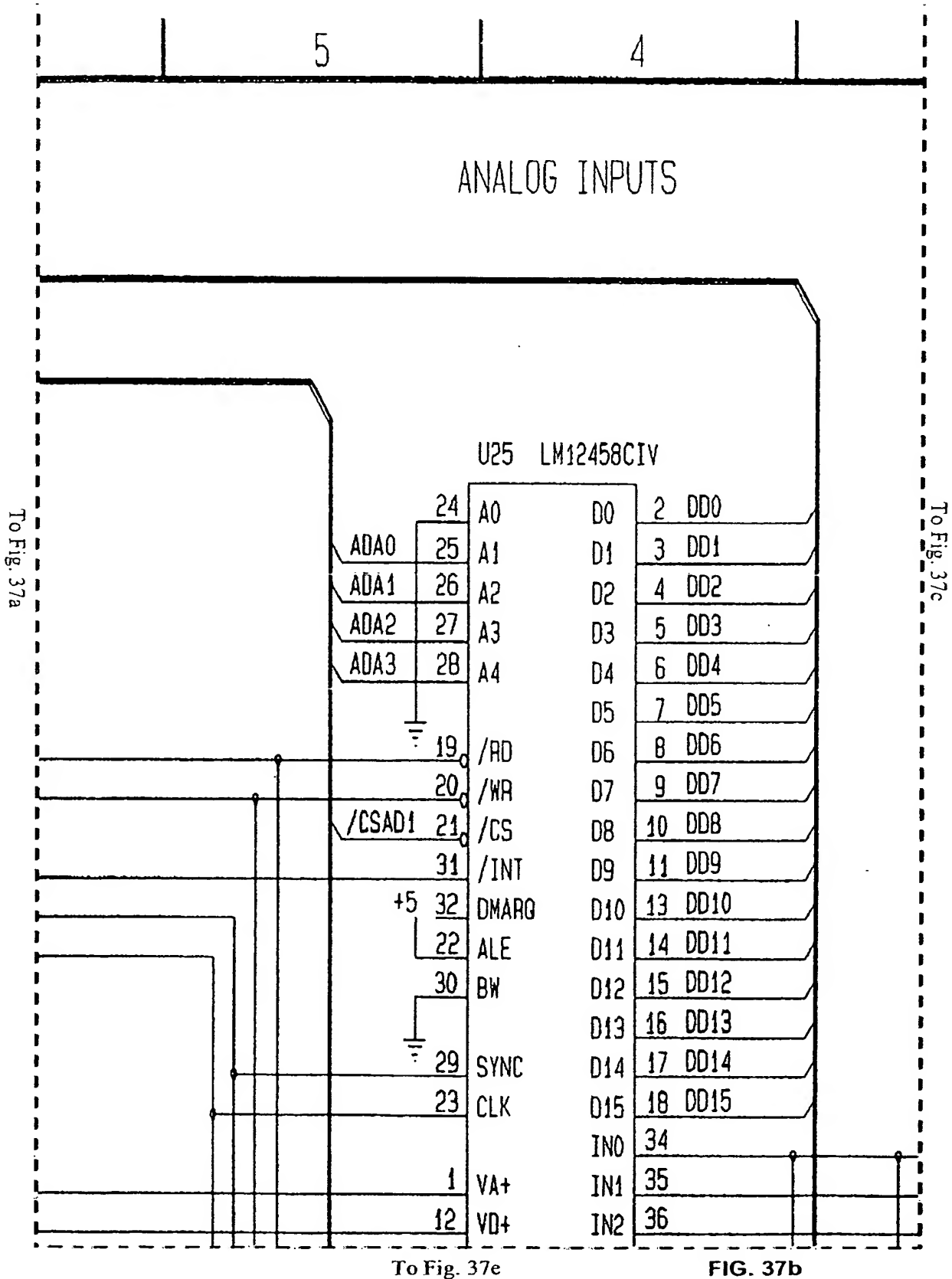
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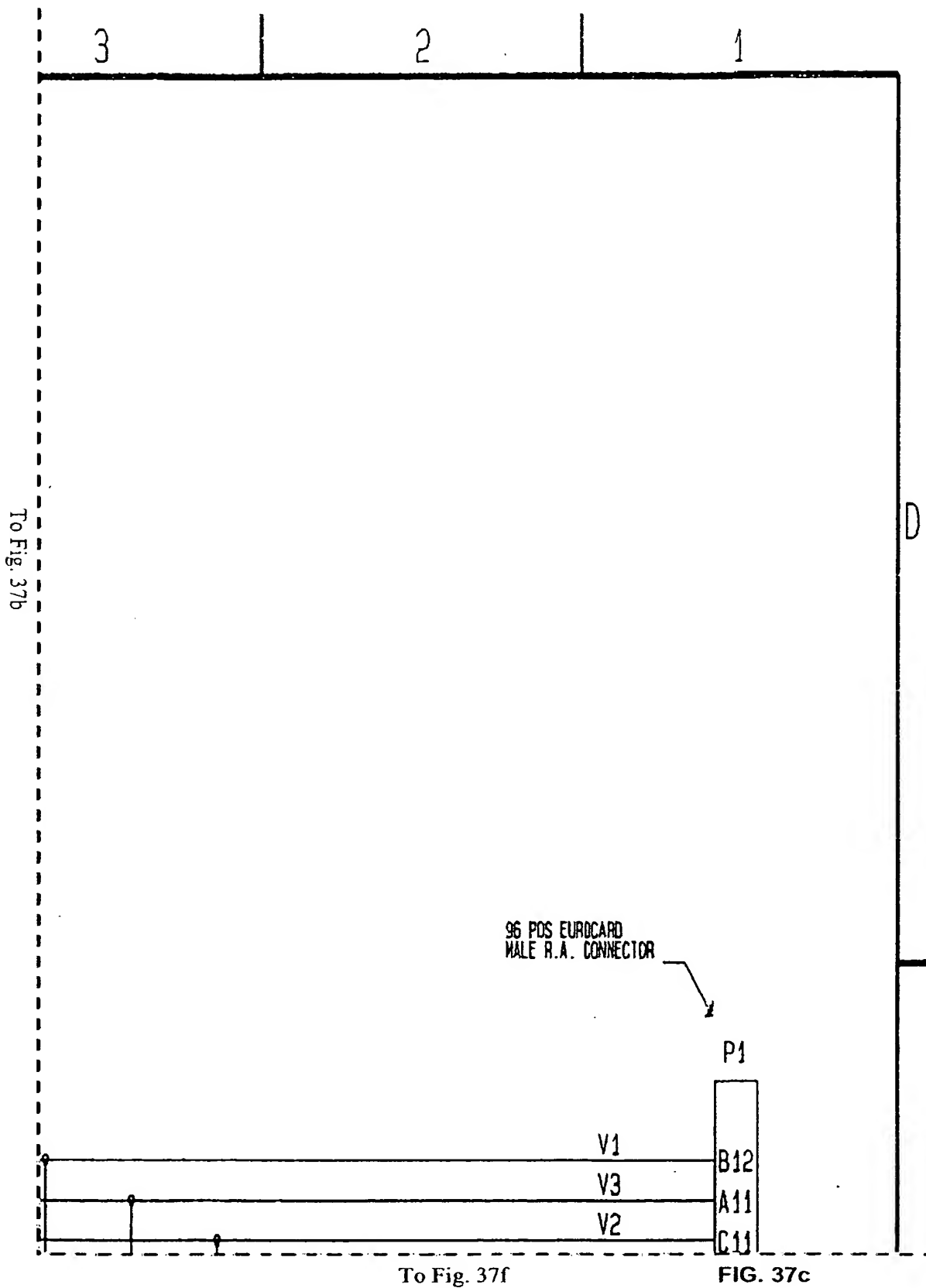
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FIG. 36i







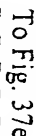
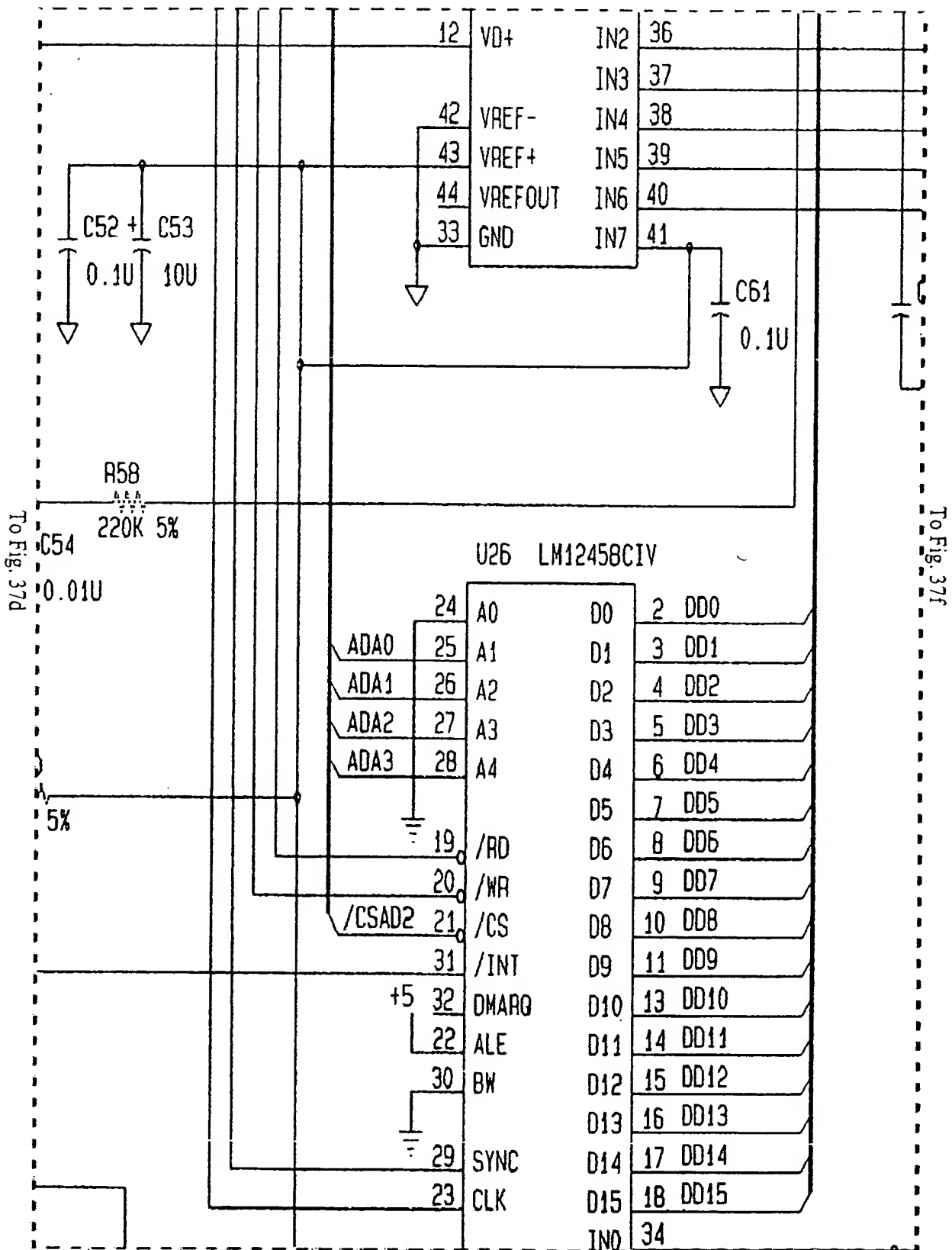


FIG. 37d

To Fig. 37b

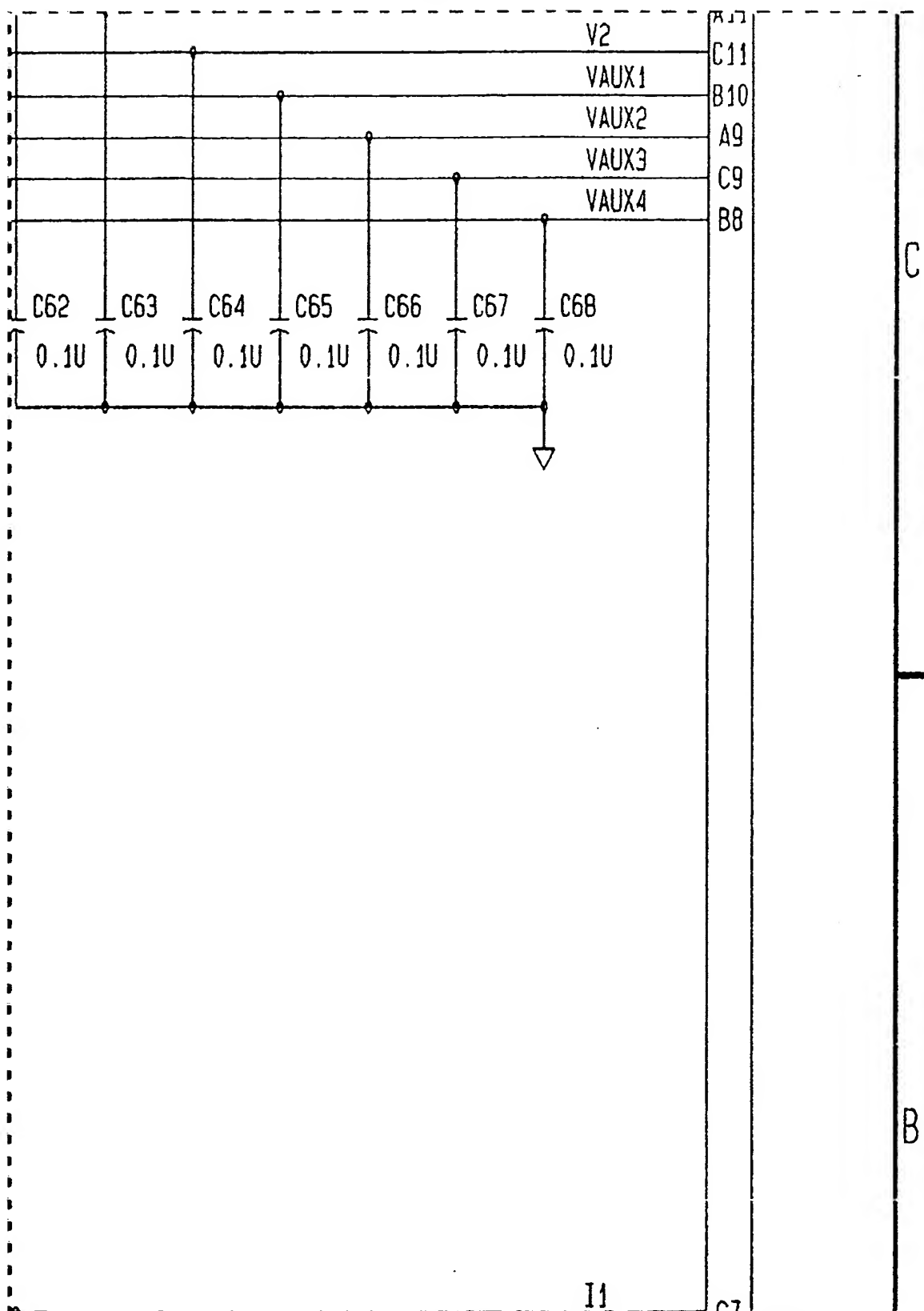


To Fig. 37h

FIG. 37e

123 07 207

To Fig. 37c



To Fig. 37e

To Fig. 37i

FIG. 37f

Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/110, Serial No. 10/613,701

124 8 207

6270/110

10/613,701

To Fig. 37d

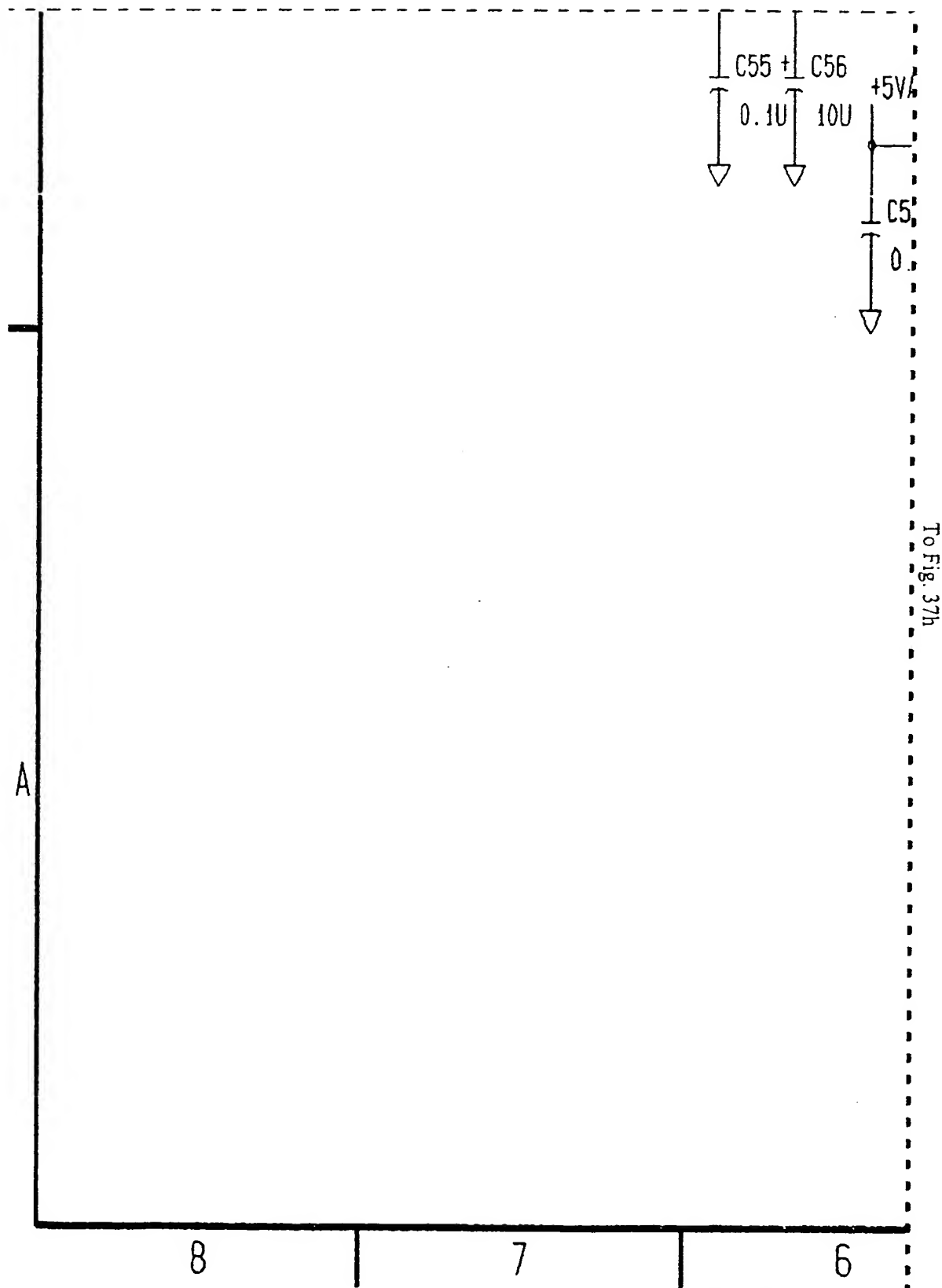


FIG. 37g



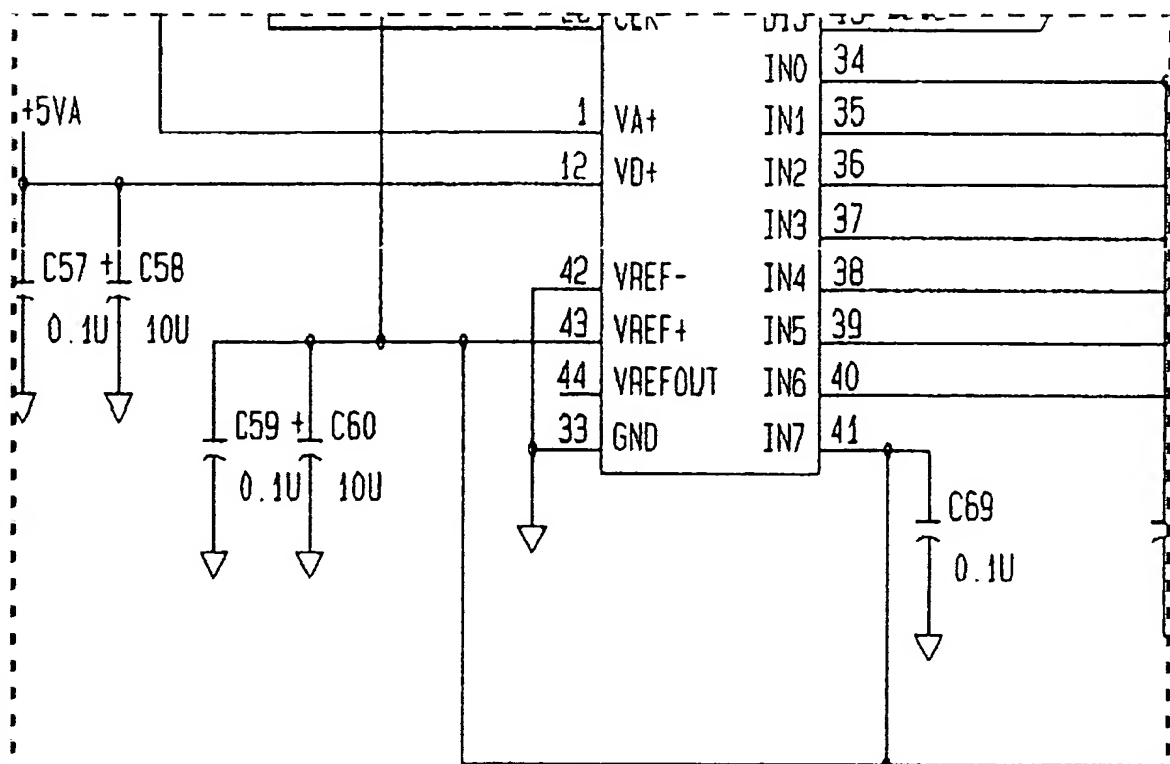
Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/110, Serial No. 10/613,701

6270/110

125 8807  
10/613,701

To Fig. 37e



To Fig. 37g

To Fig. 37i

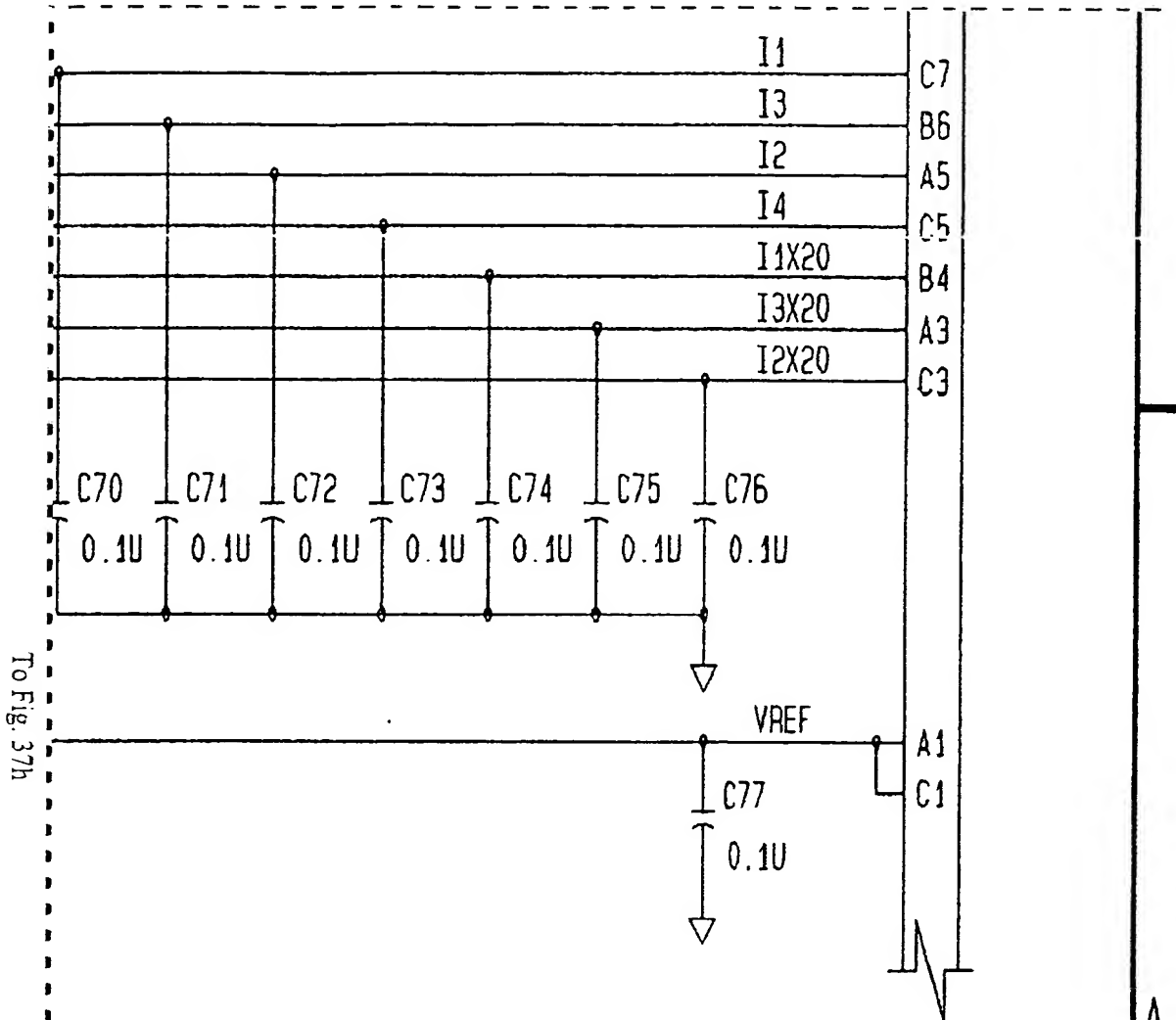
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FIG. 37h

To Fig. 37f



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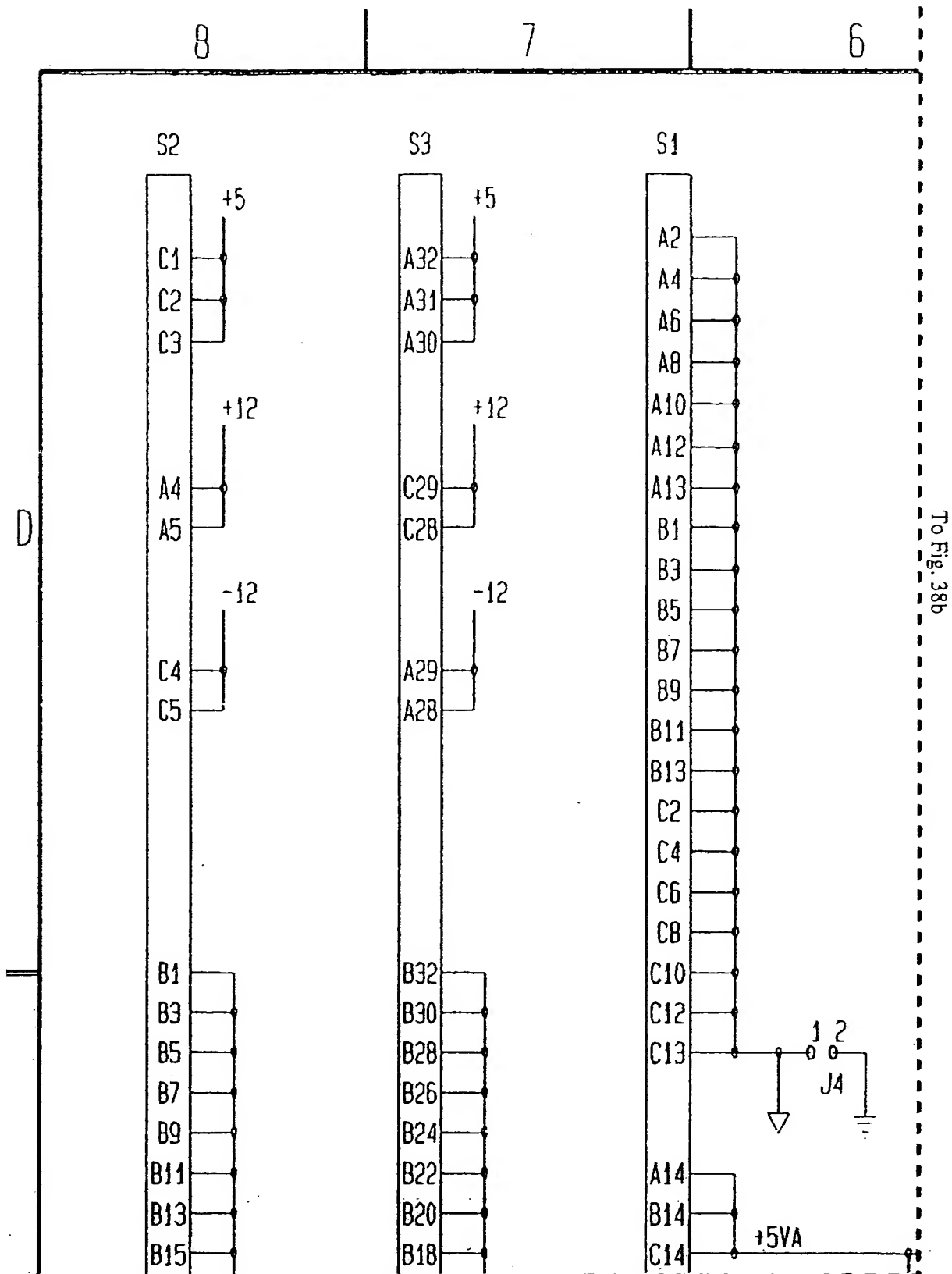
SHEET 7 OF 7

3

2

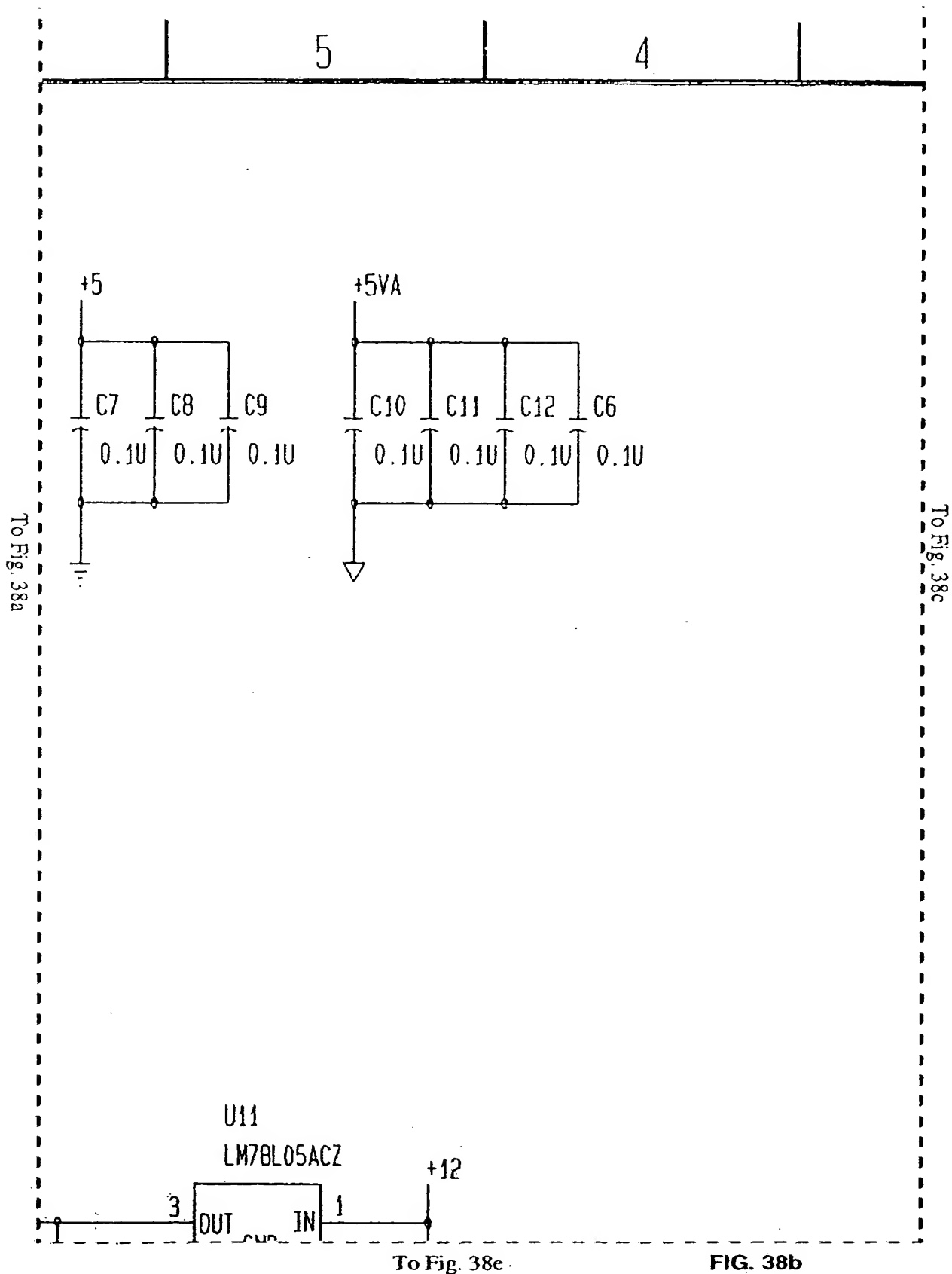
1

FIG. 37i



To Fig. 38d

FIG. 38a



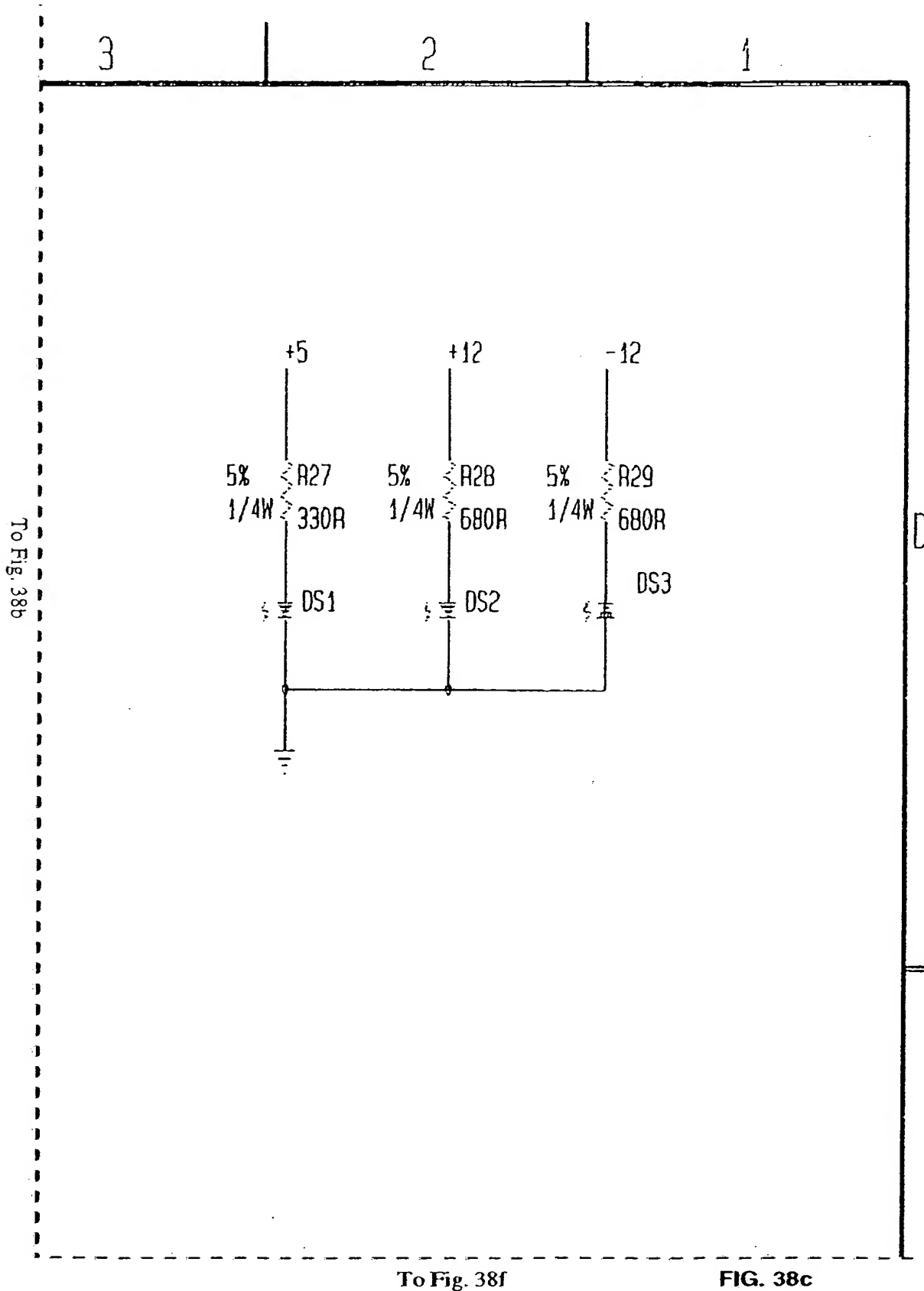
To Fig. 38c

FIG. 38b

Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/76, Serial No. 10/068,431 10/613,701  
6270/110

129 8 207



Attorney Docket No. ~~6270776~~, Serial No. ~~10/068,431~~

6270/110

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10/6/3,701

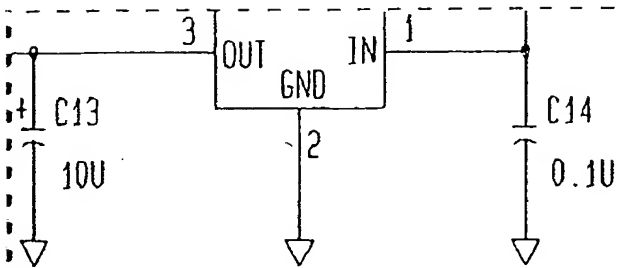
[illegible]

To Fig. 38g

FIG. 38d

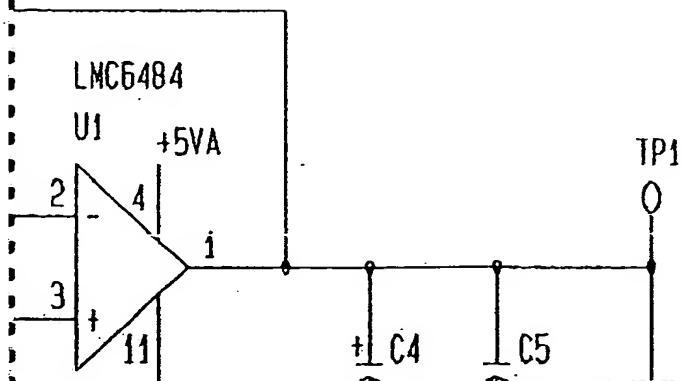
131 86207

To Fig. 38b



To Fig. 38d

To Fig. 38f



To Fig. 38h

FIG. 38e

Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No. ~~027076~~, Serial No. ~~40/060,434~~

0270/110

132 8 207

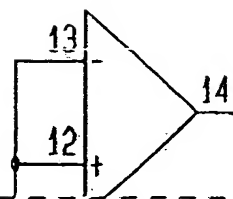
10/613,701

To Fig. 38c

To Fig. 38e

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U10



To Fig. 38i

FIG. 38f



To Fig. 38d

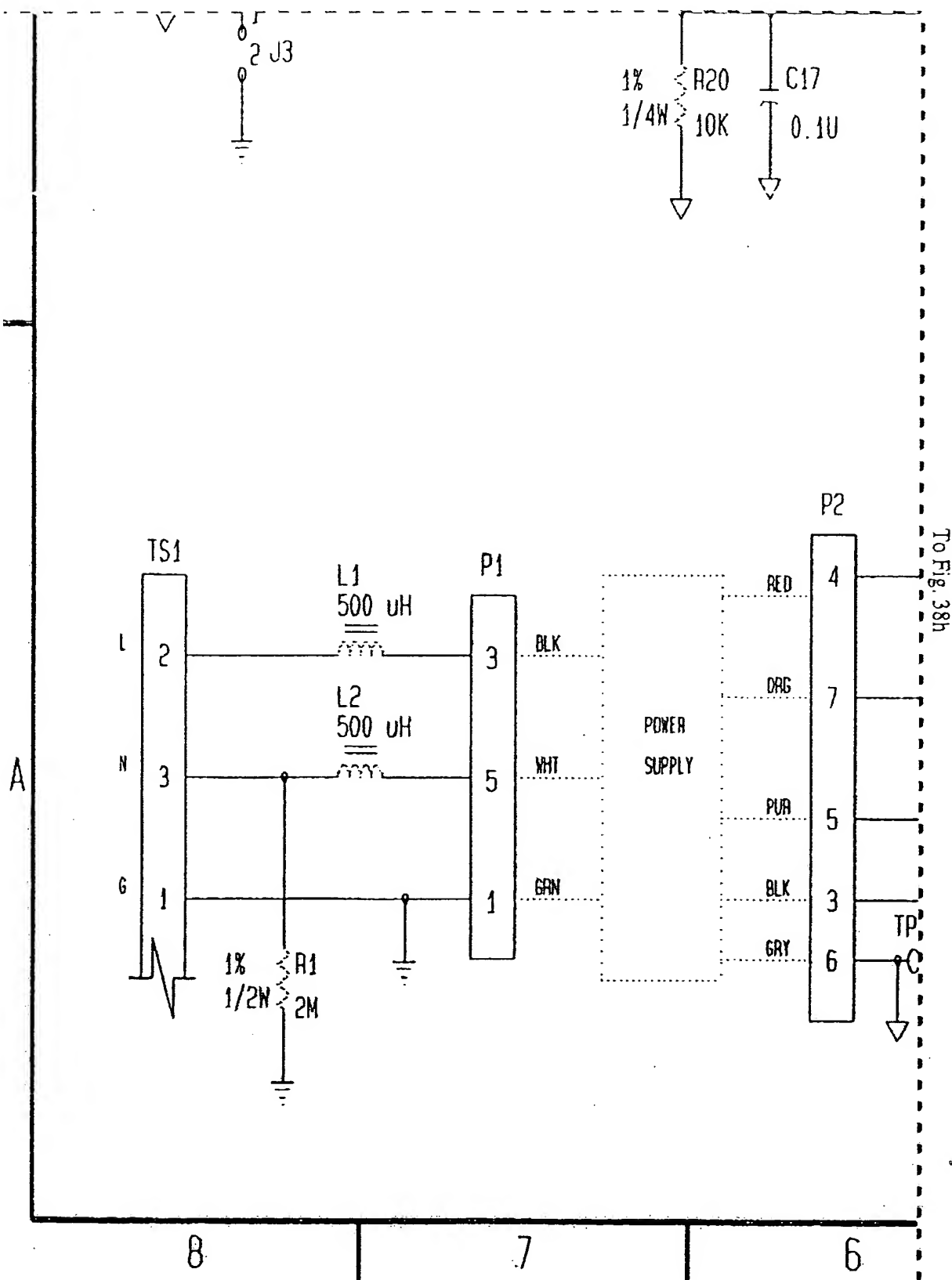
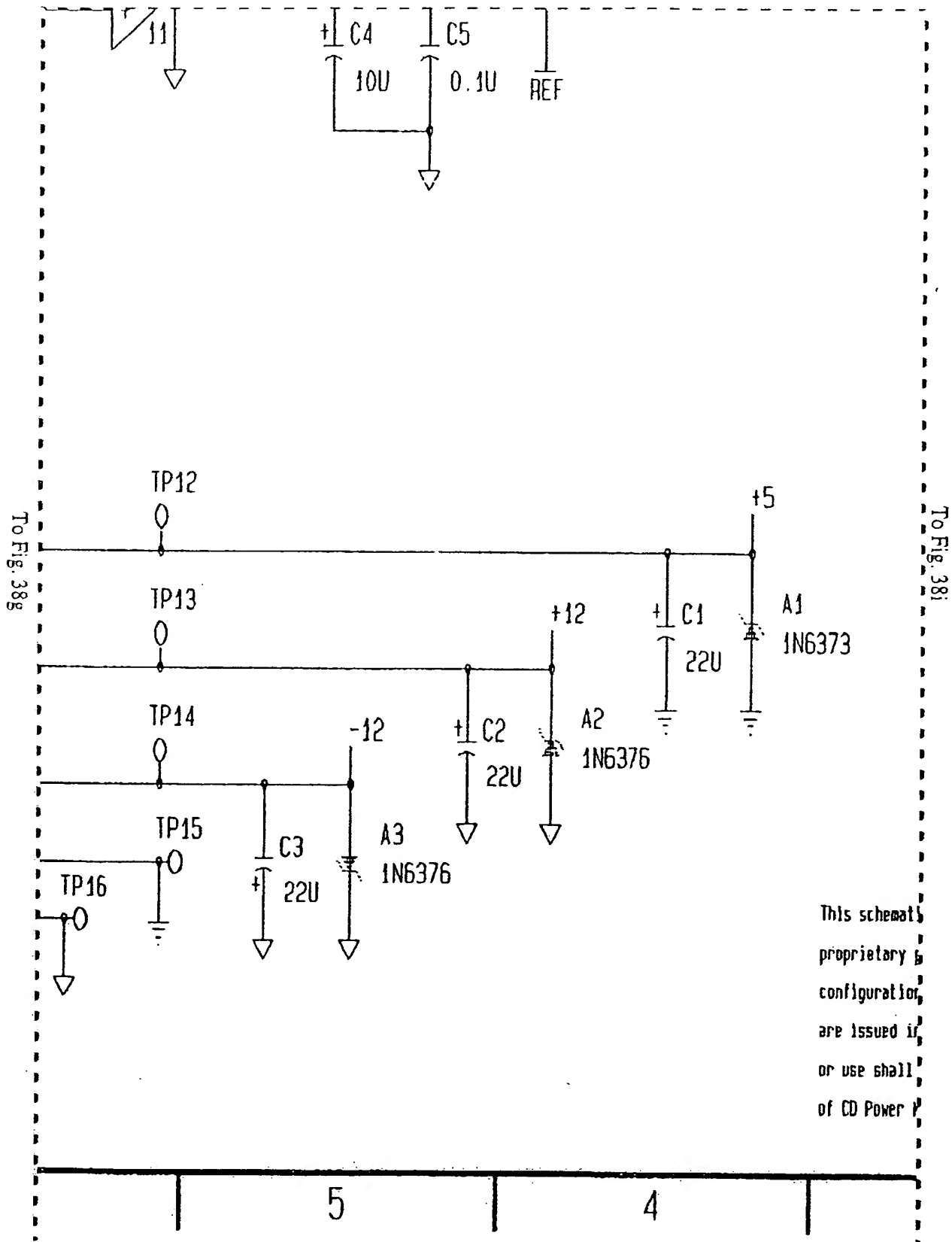


FIG. 38g

To Fig. 38e



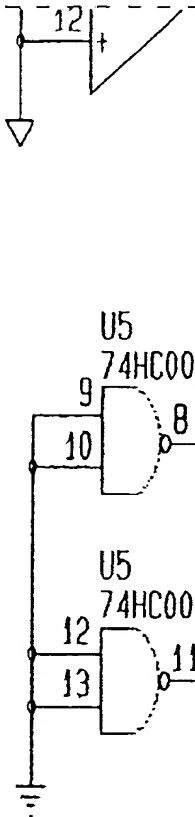
Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/76, Serial No. 10/066,431

6270/110

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10/613,701

To Fig. 38f



LAST USED: U11  
R39  
C30  
S6  
P4  
A16  
DS3  
TP16  
J5  
PTC3  
TS3  
L2  
T4

To Fig. 38h

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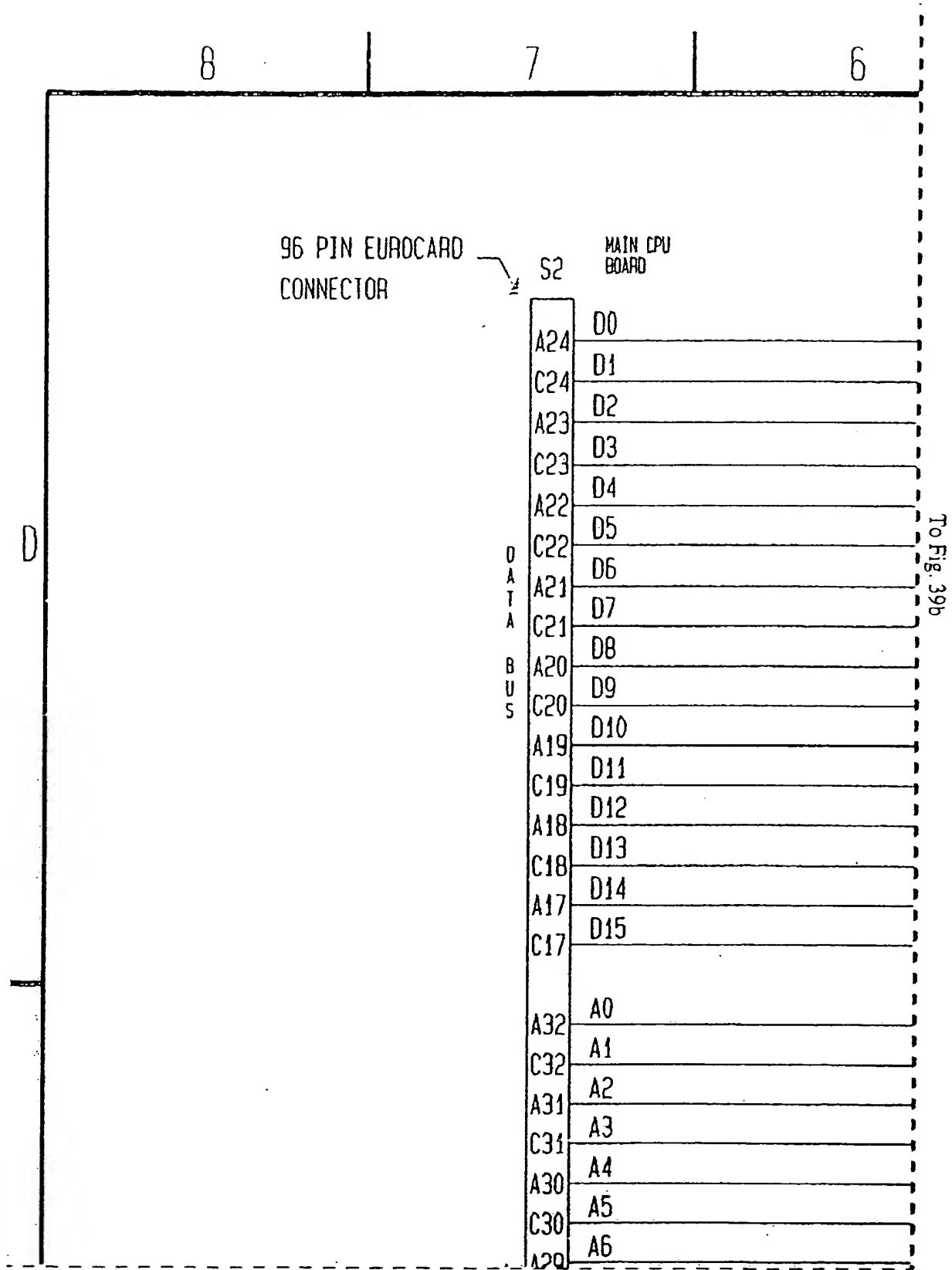
2

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FIG. 38i

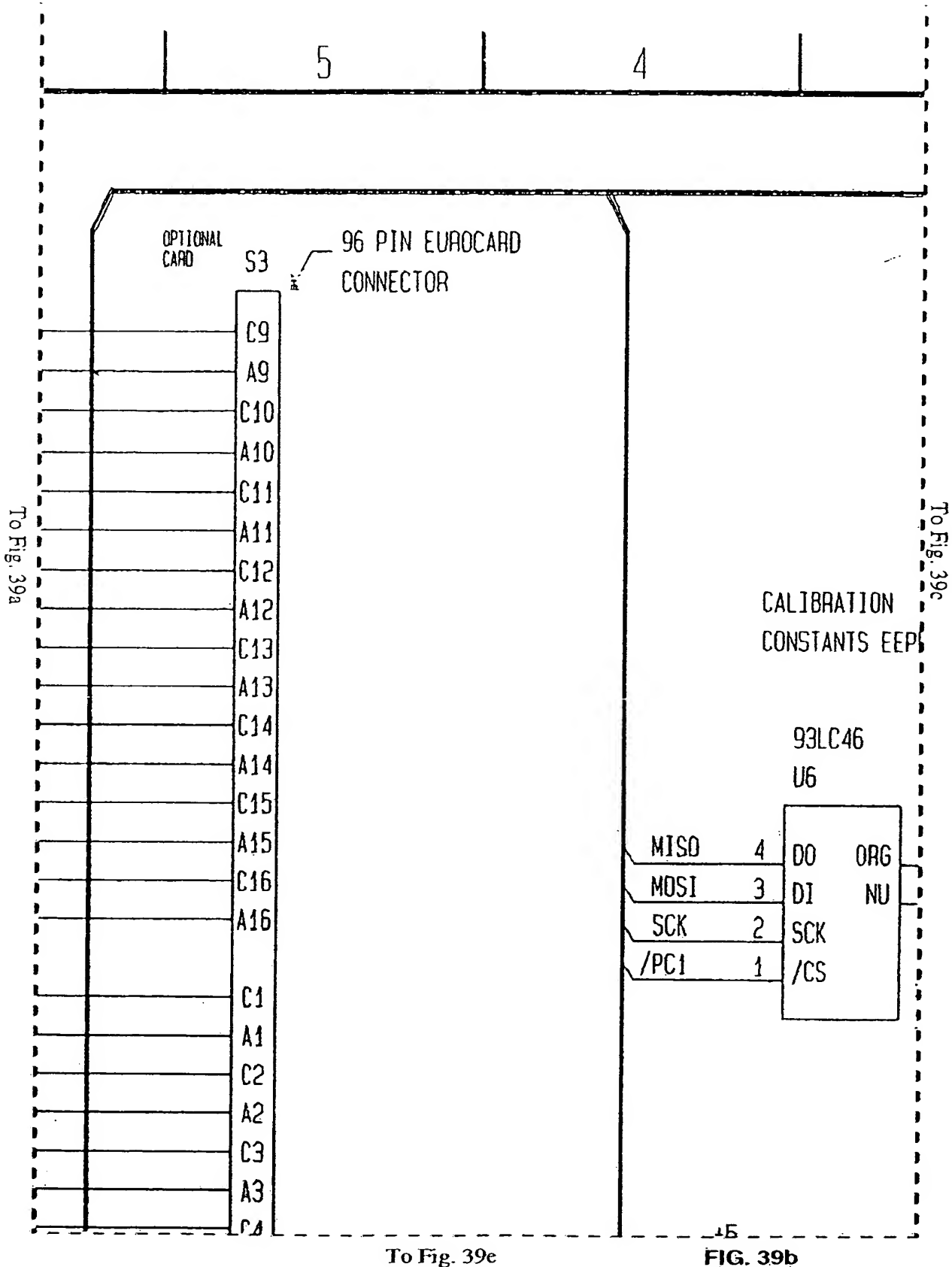
6270/110

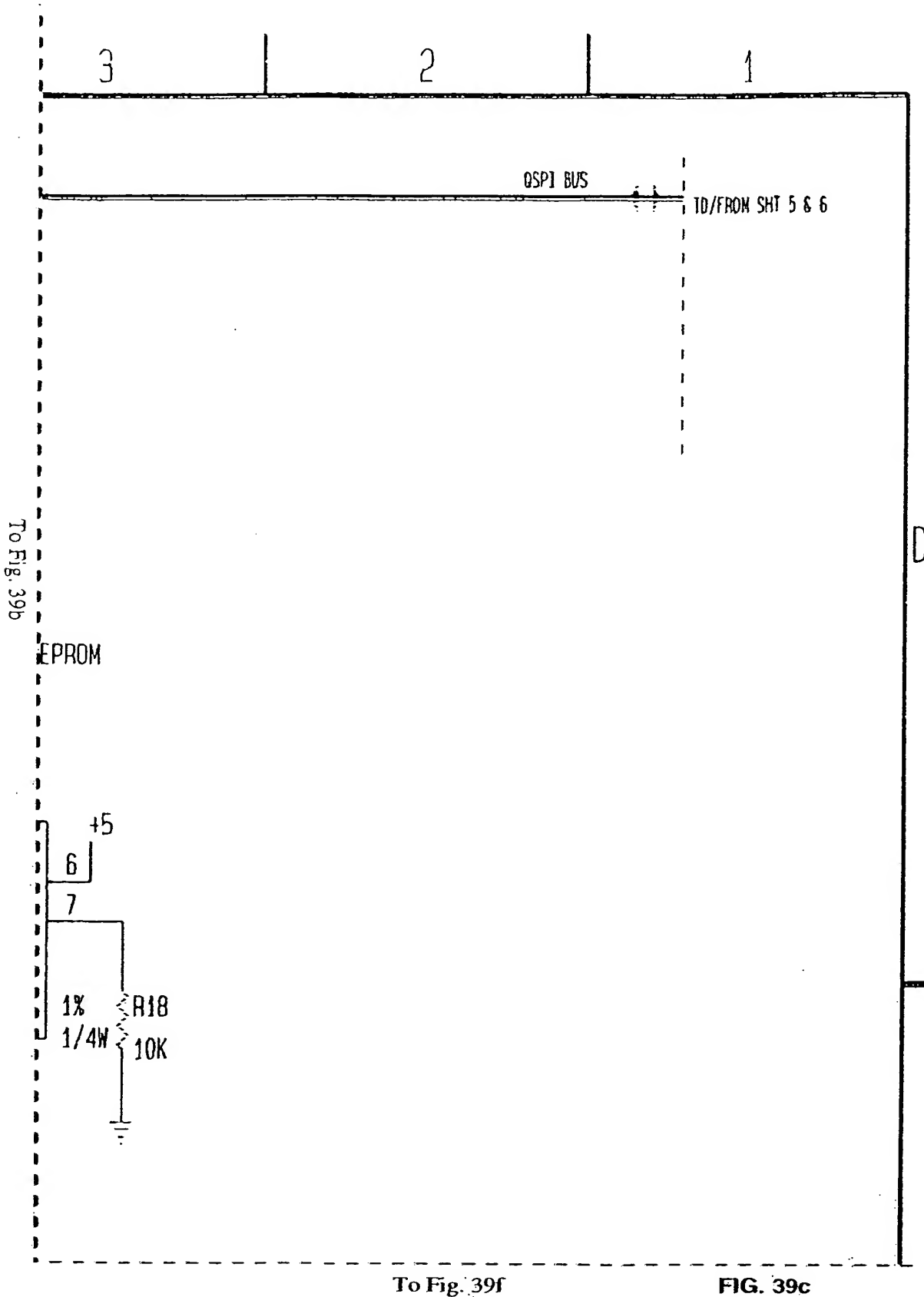
136 08 207



To Fig. 39d

FIG. 39a

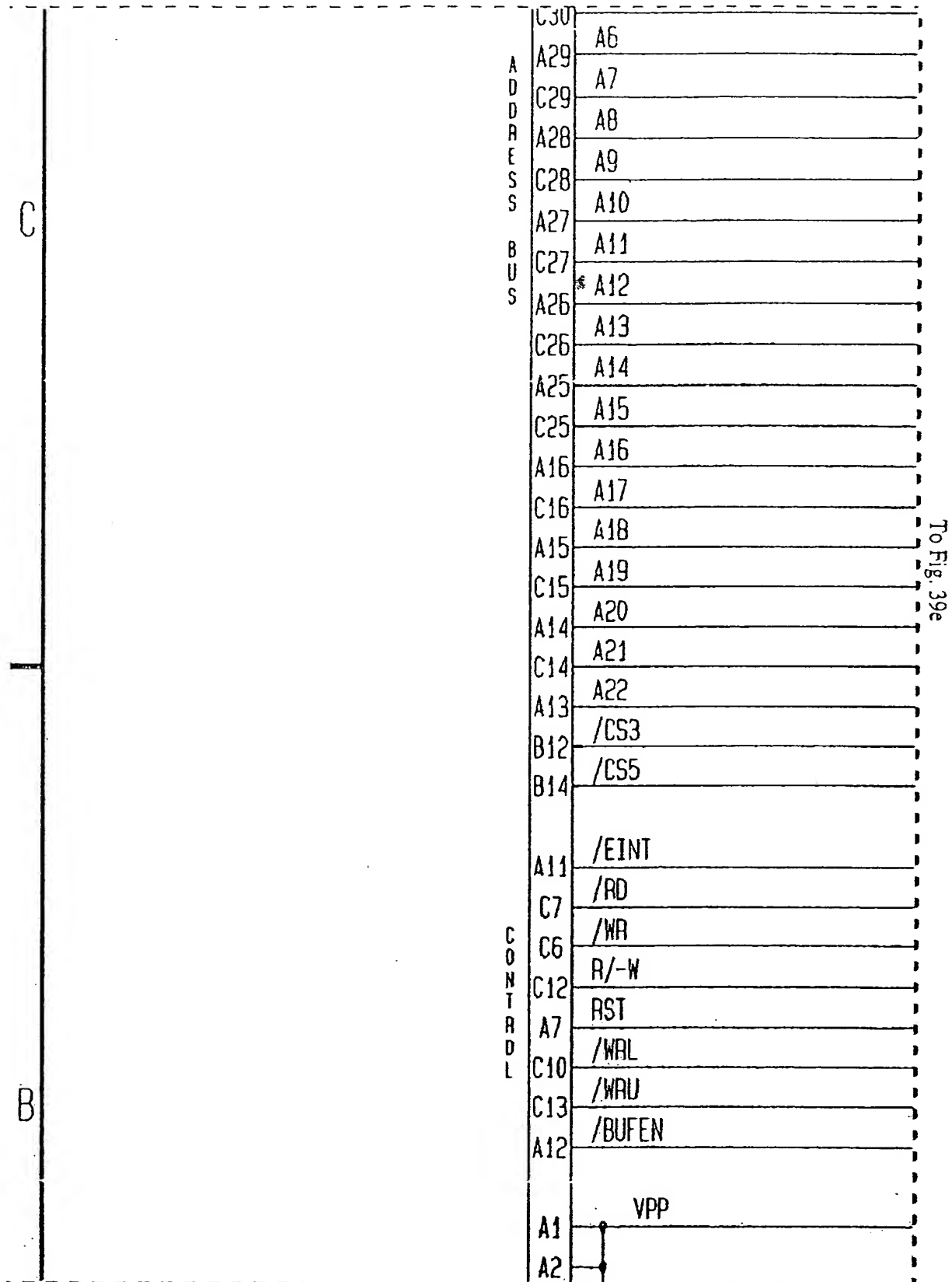




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13,701

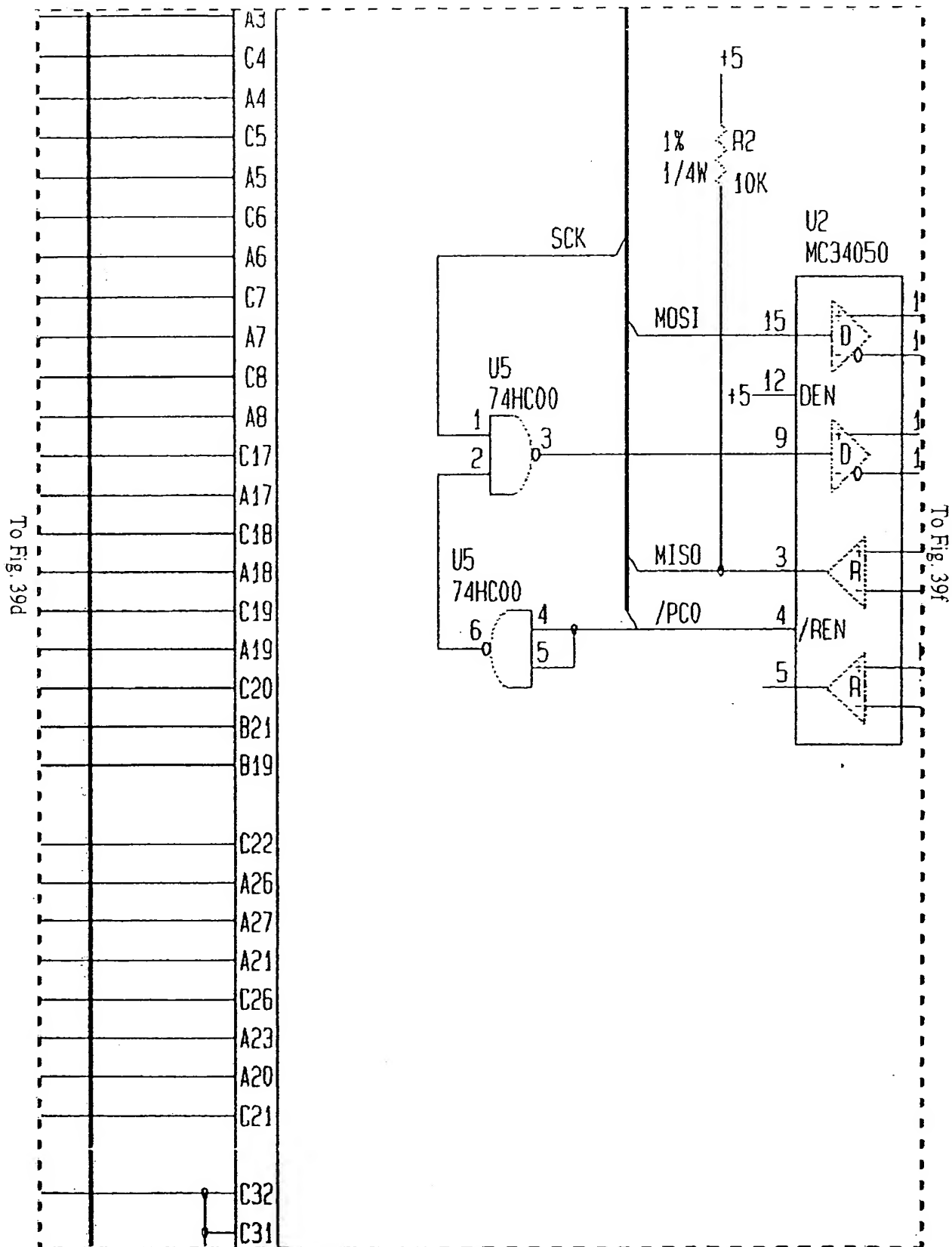
To Fig. 39a



To Fig. 39g

FIG. 39d

To Fig. 39b

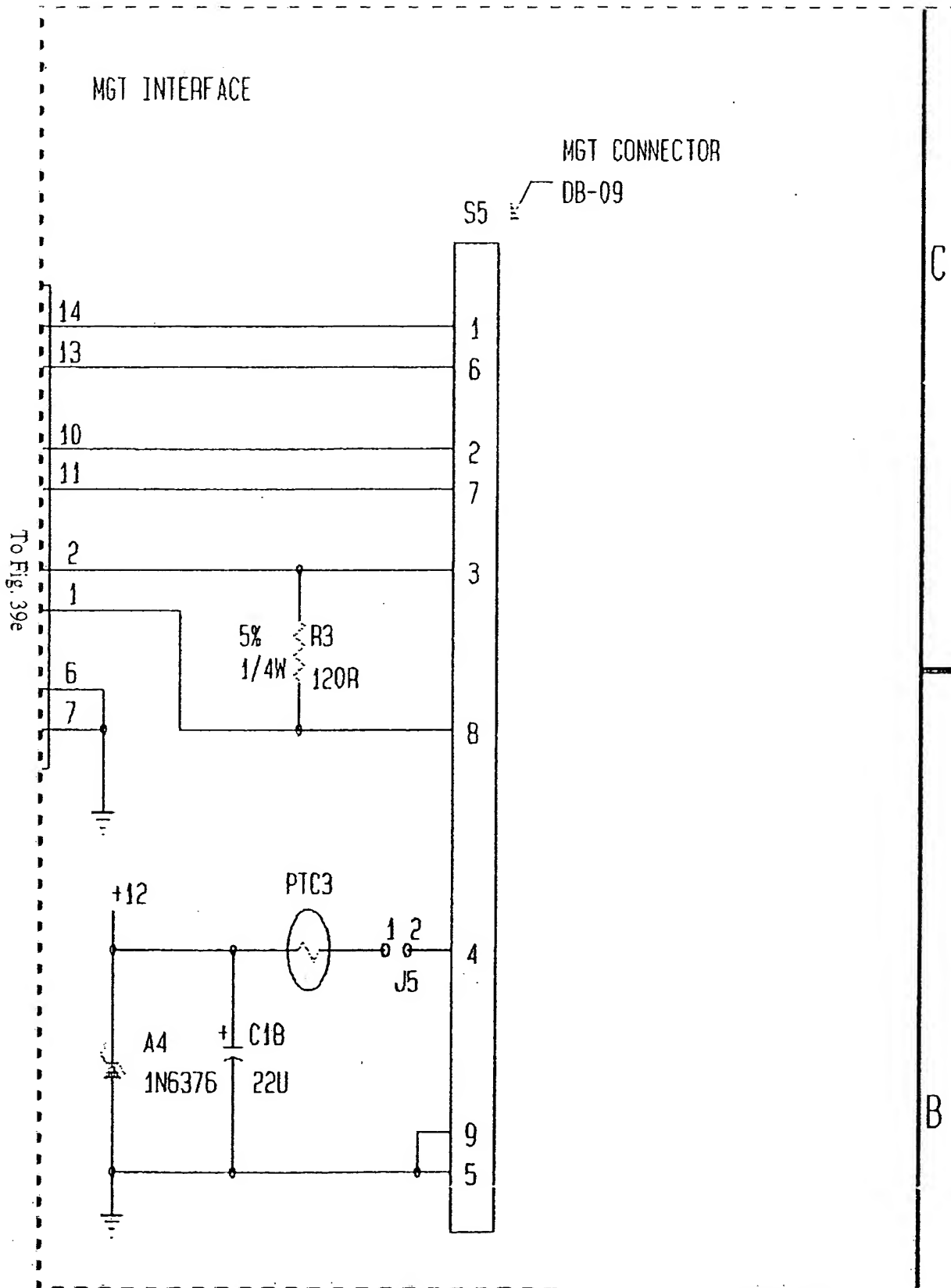


To Fig. 39h

FIG. 39e



To Fig. 39c



To Fig. 39i

FIG. 39f

142 8207

To Fig. 39d

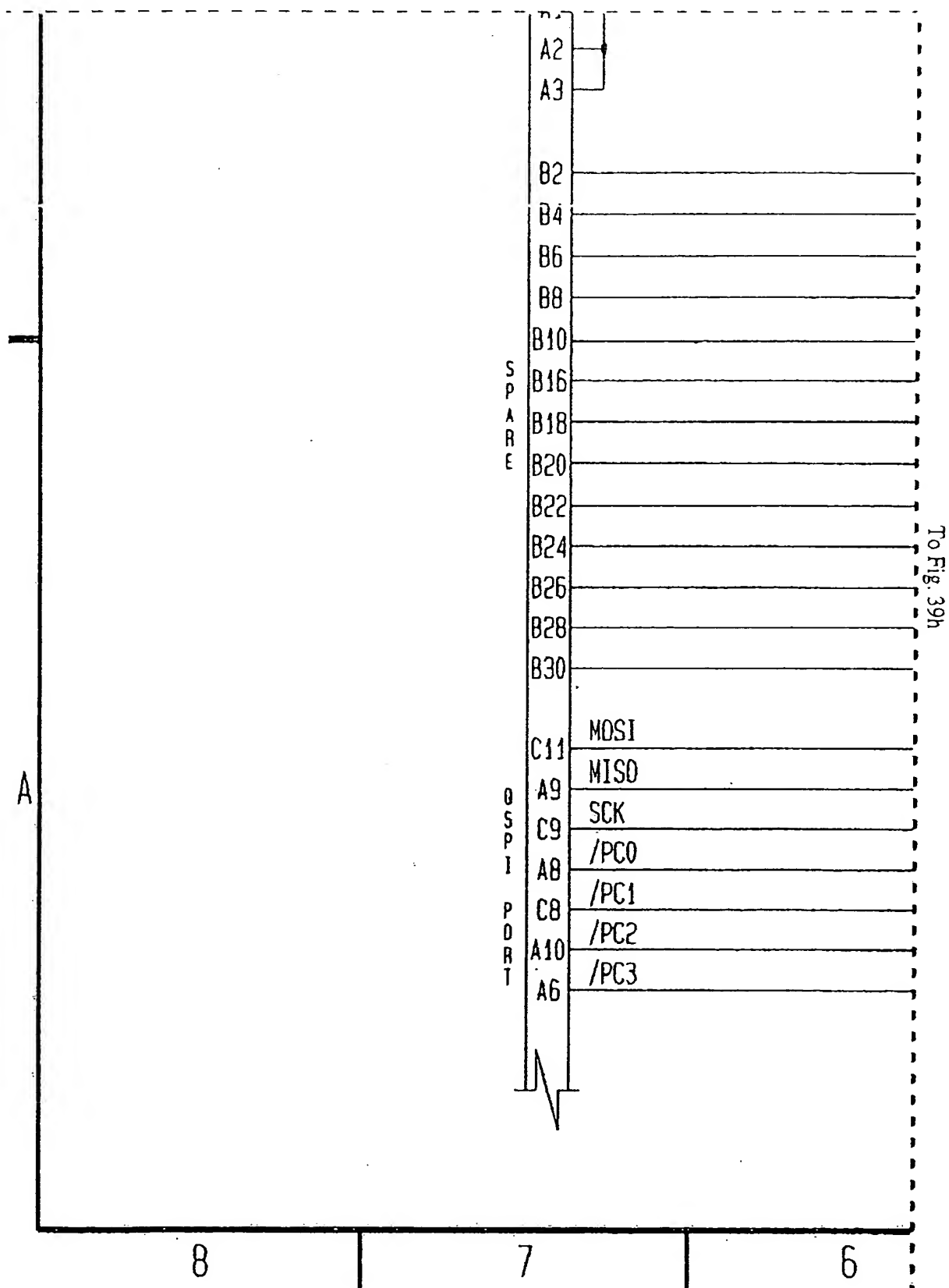
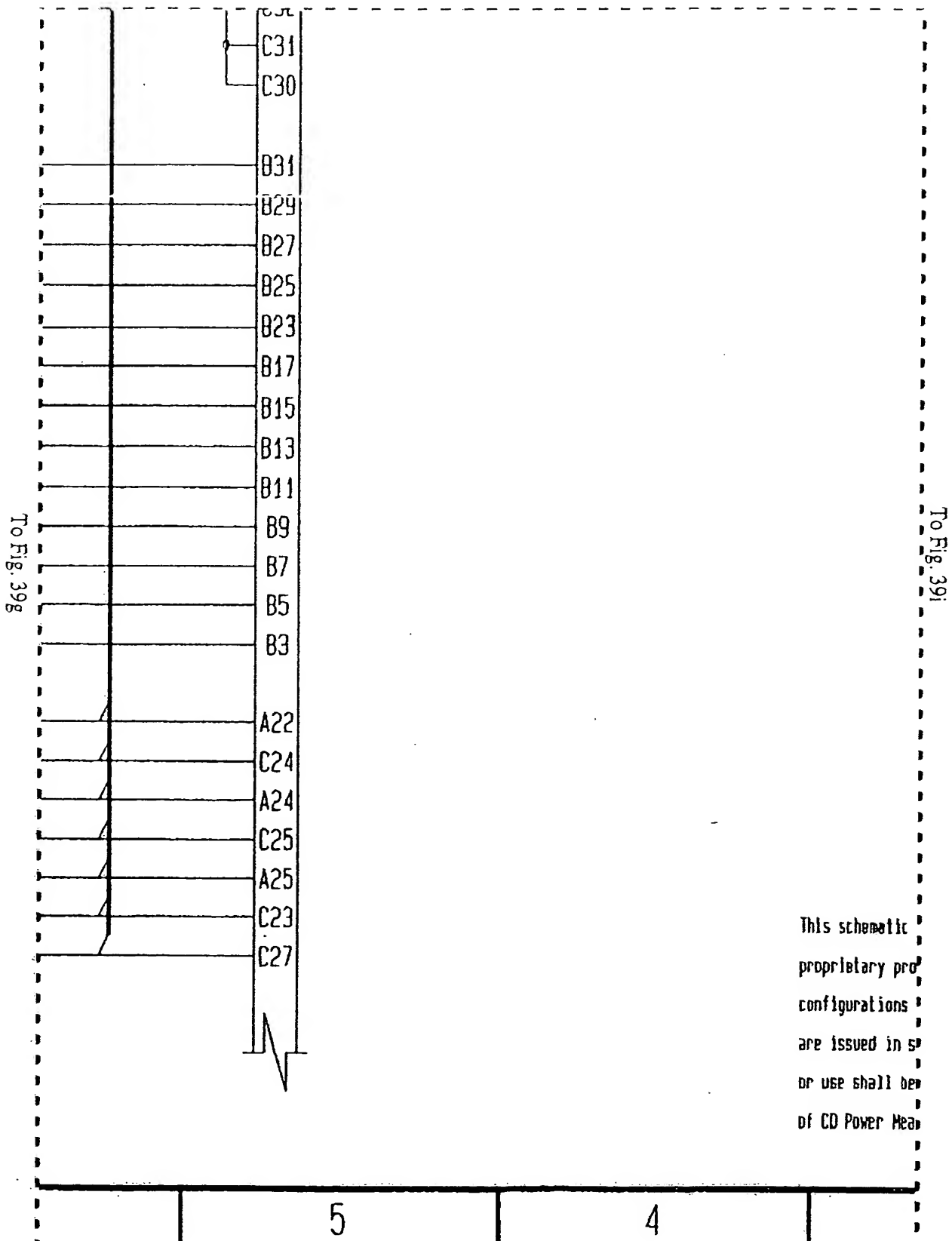


FIG. 39g

To Fig. 39e




Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/78, Serial No. 10/068,451 144 06 307  
110 13,701

To Fig. 39f

To Fig. 39h

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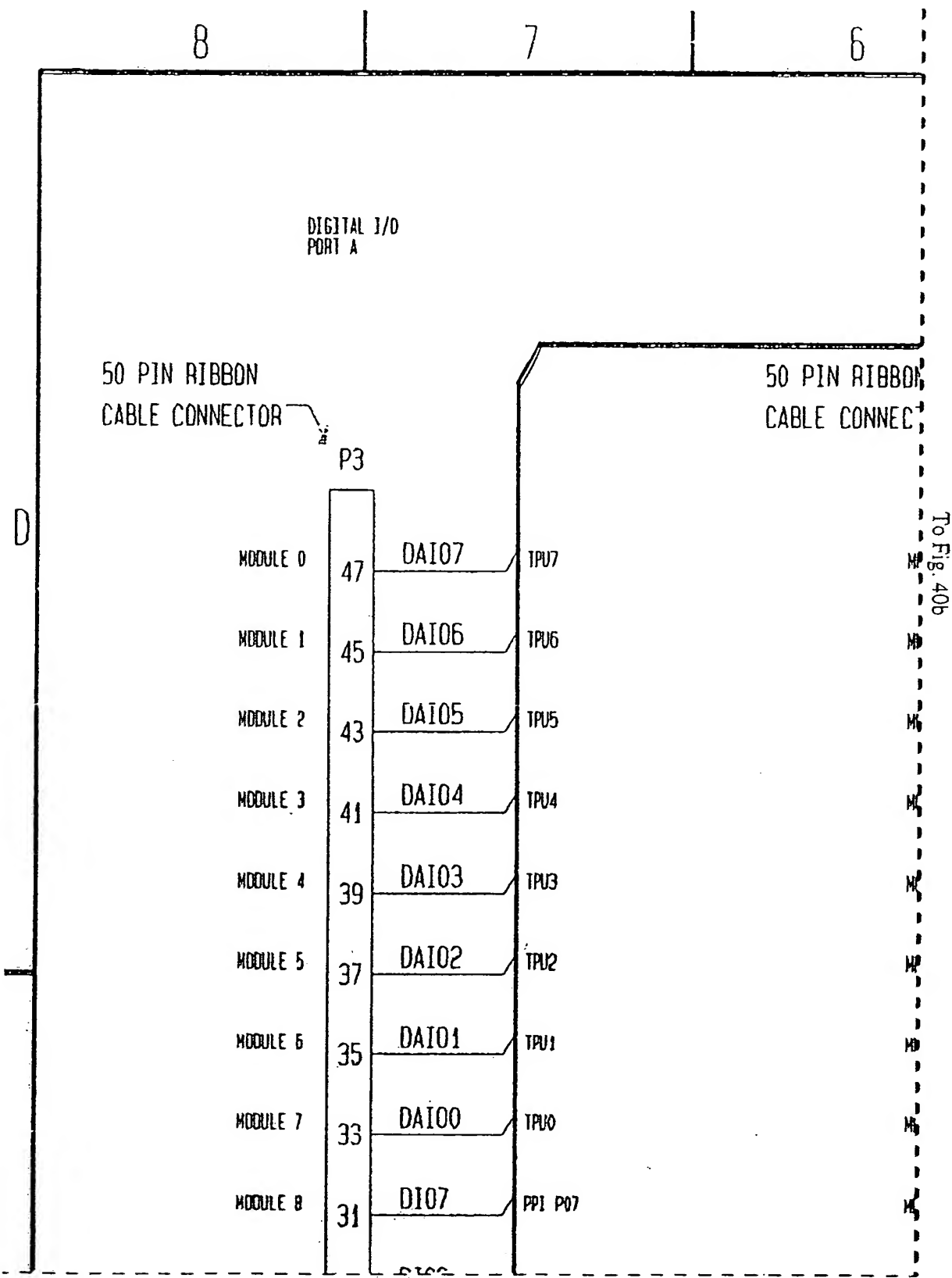
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FIG. 39i

145 07 207



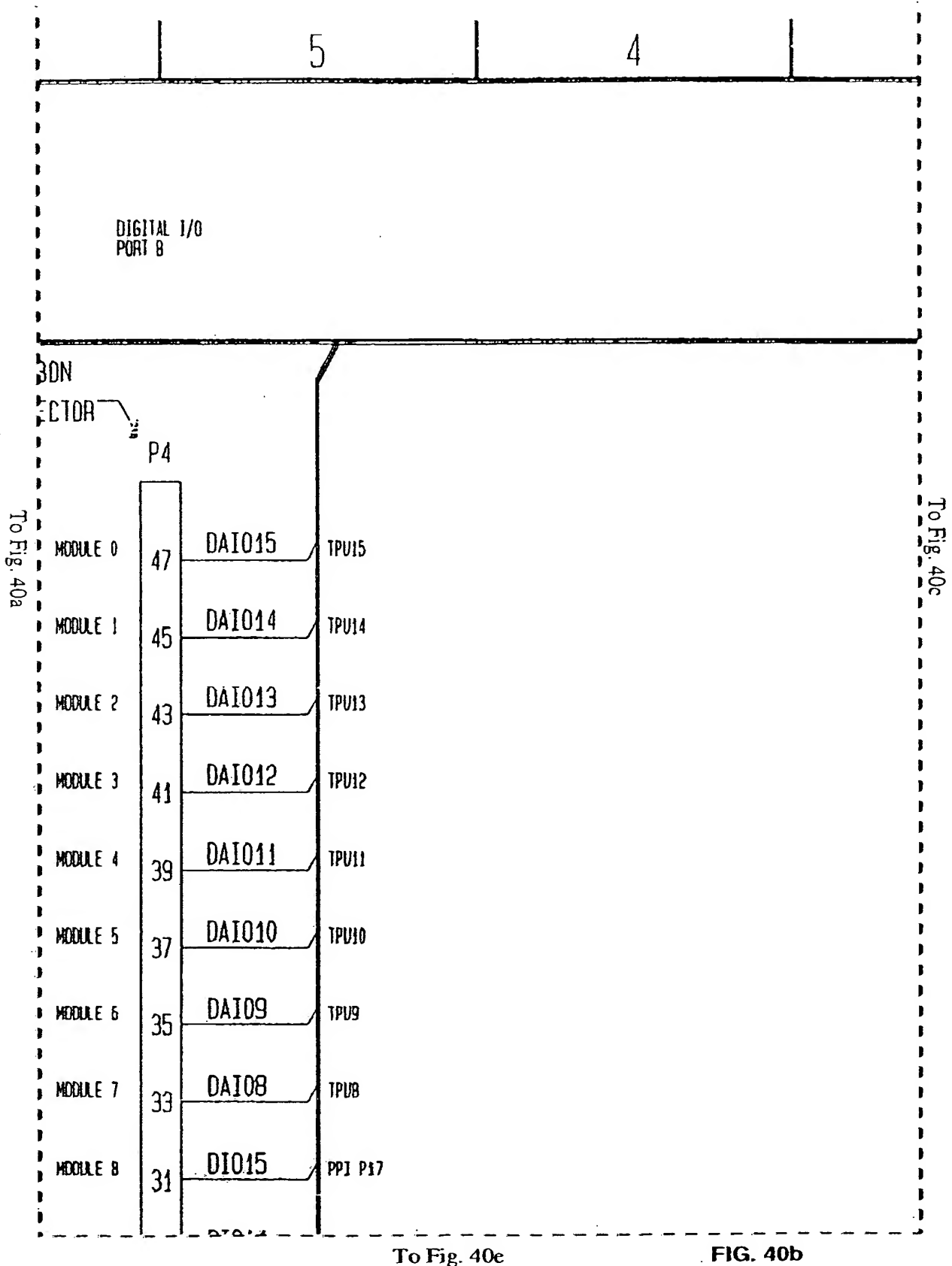
To Fig. 40d

FIG. 40a

Inventor(s): Ronald G. Hart

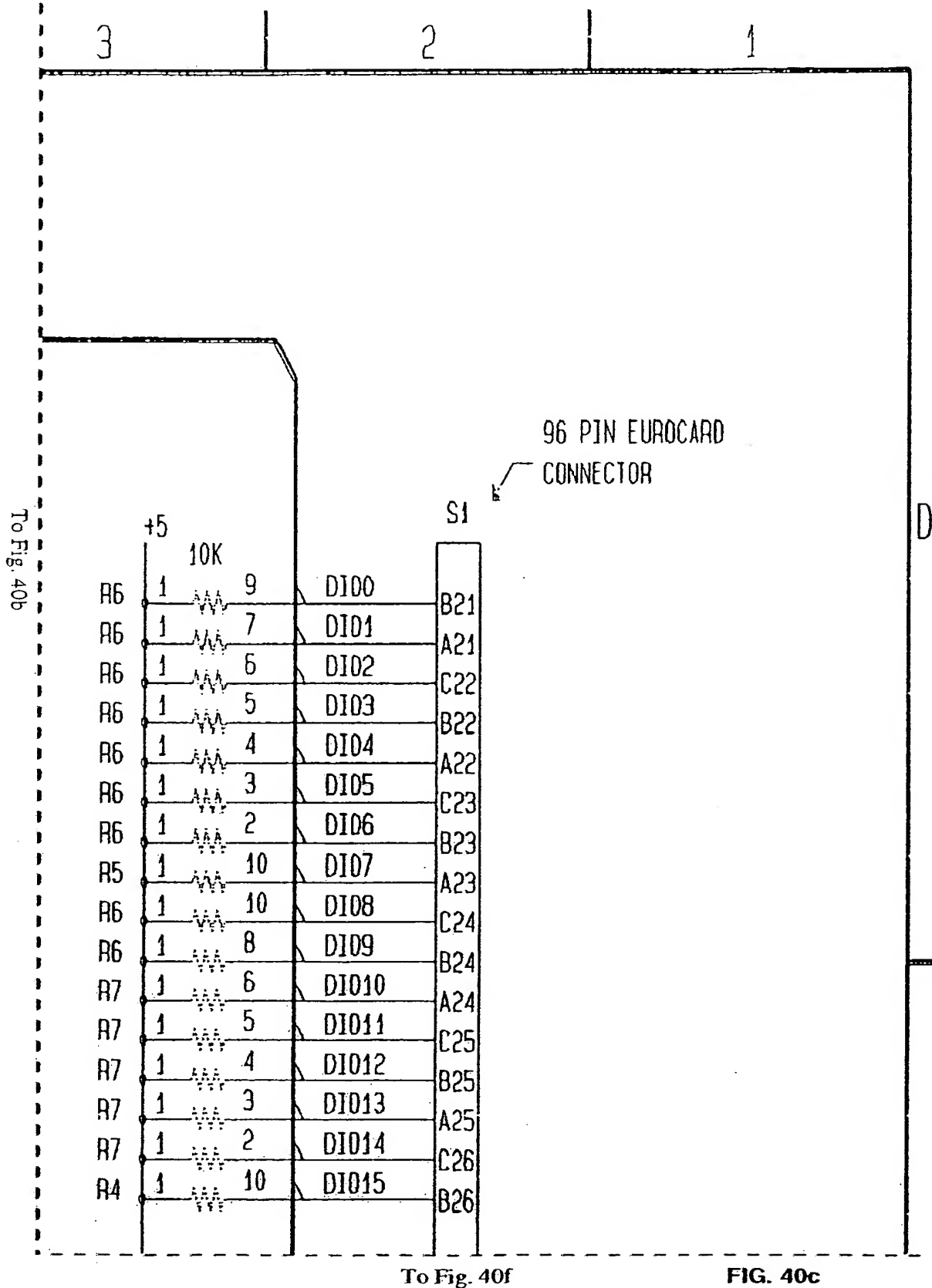
Attorney Docket No. 6270/76, Serial No. 10/968,431 146 8207 613,701

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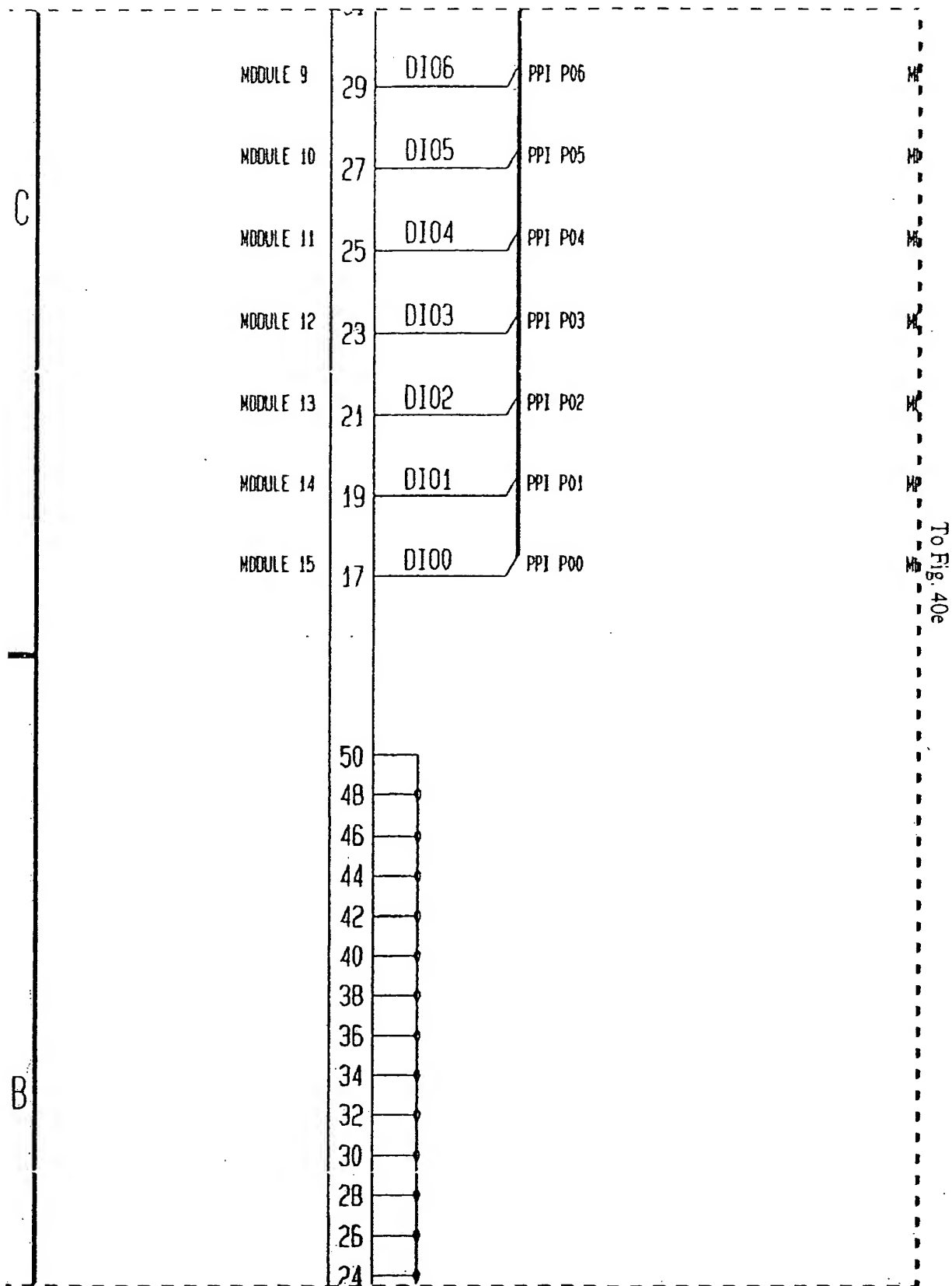


To Fig. 40e

FIG. 40b



To Fig. 40a



To Fig. 40e

To Fig. 40g

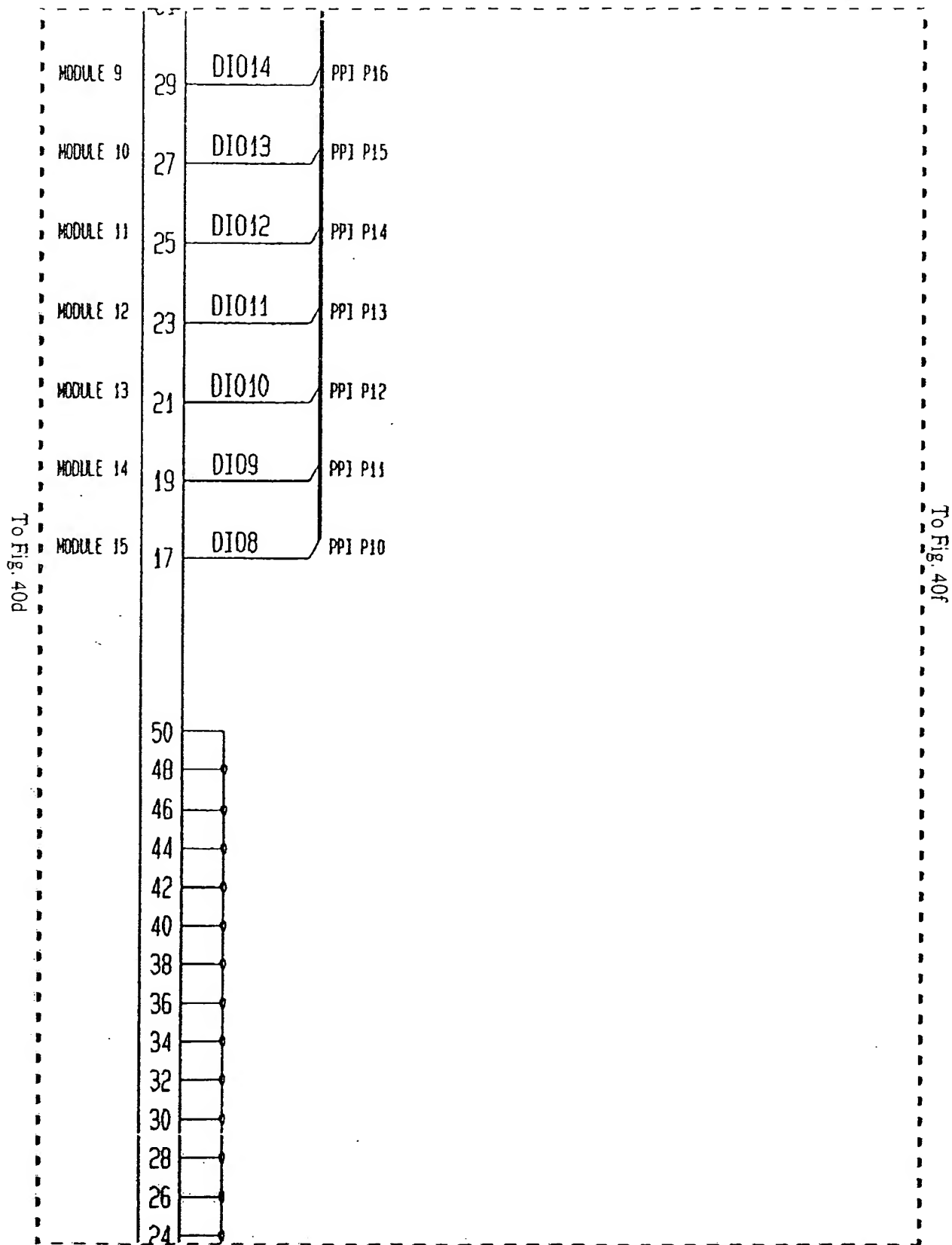
FIG. 40d



149 8 207

116

To Fig. 40b



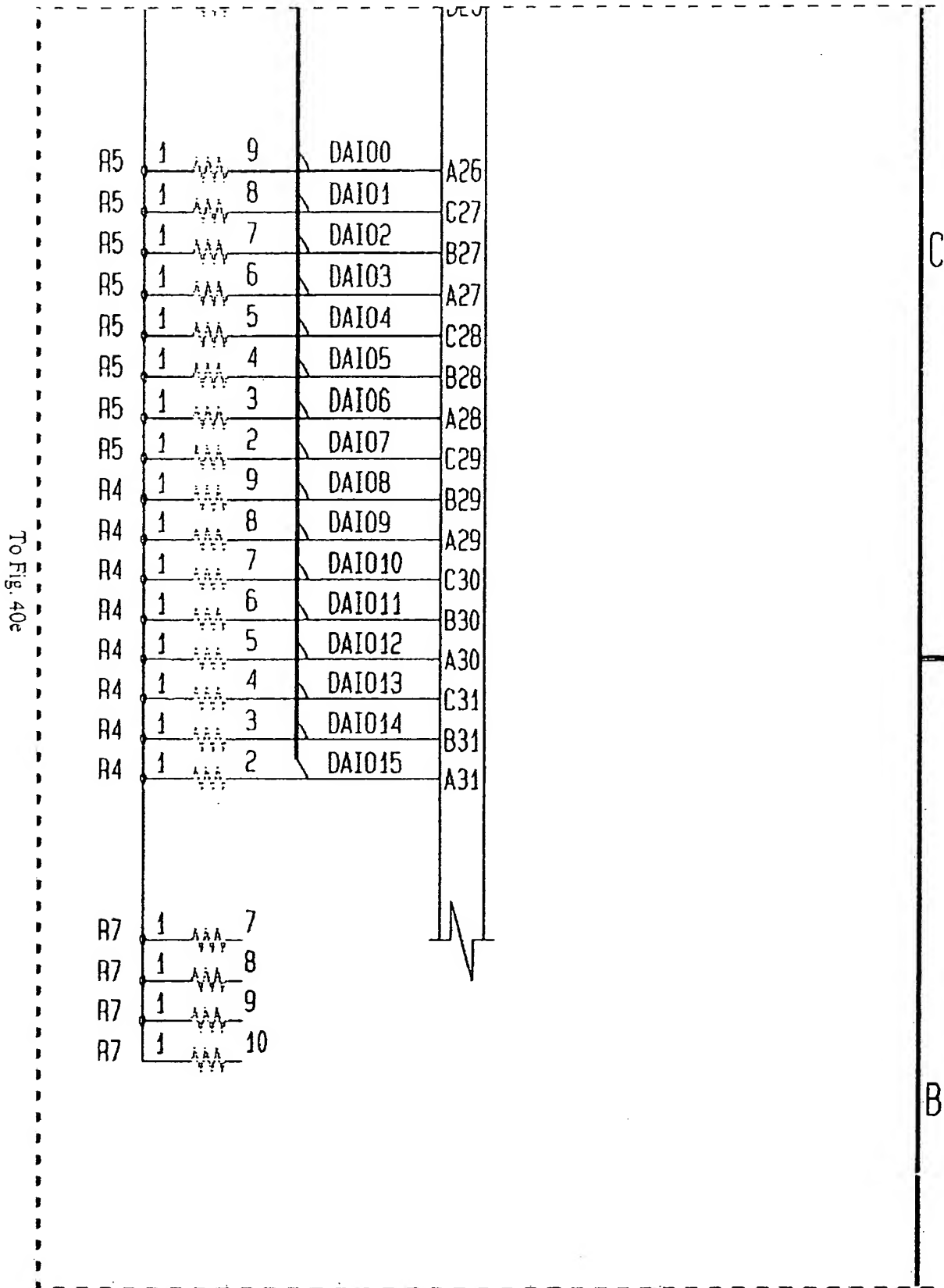
To Fig. 40b

FIG. 40e

150 08 207

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To Fig. 40c



To Fig. 40i

FIG. 40f

To Fig. 40d

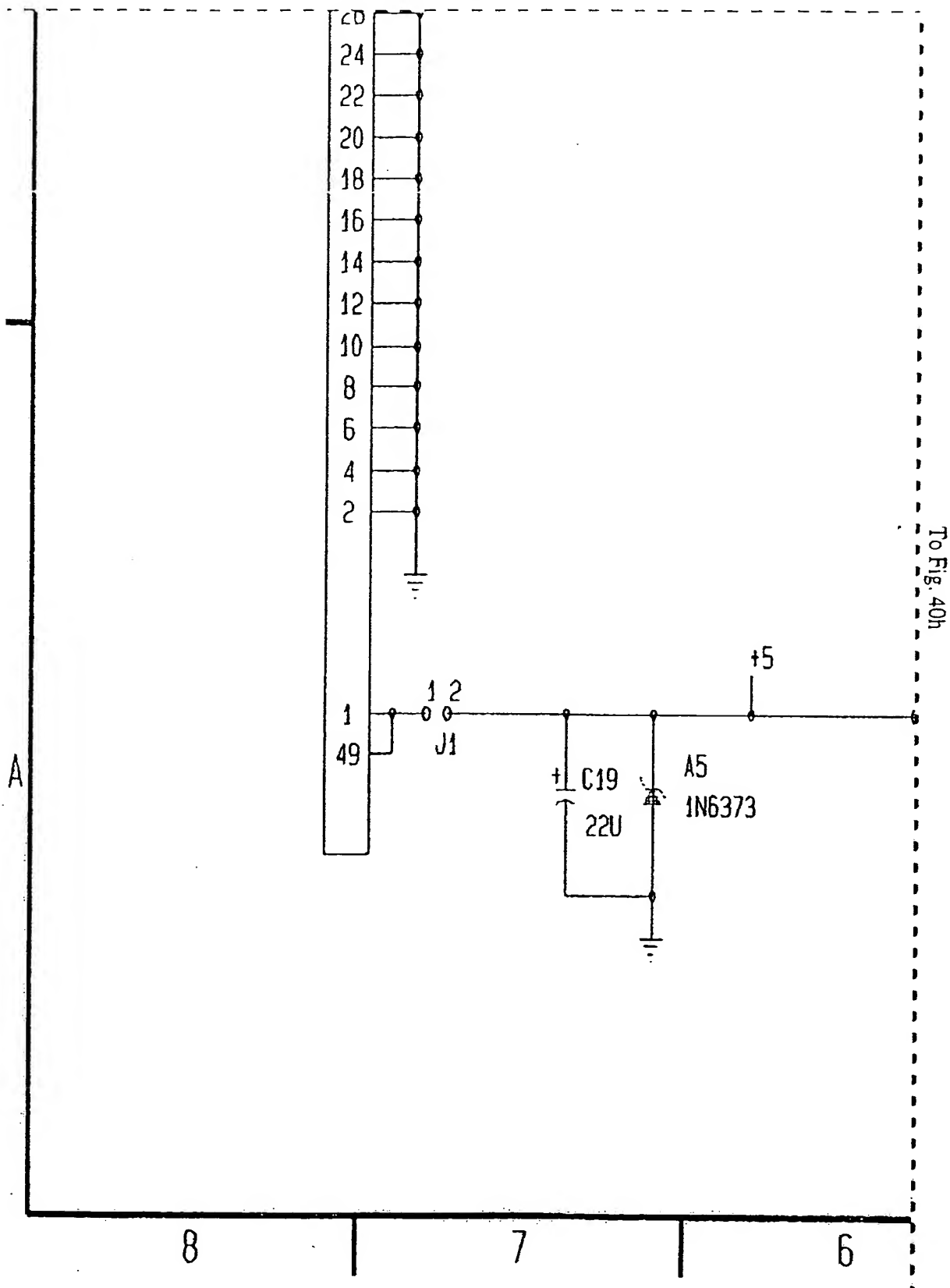
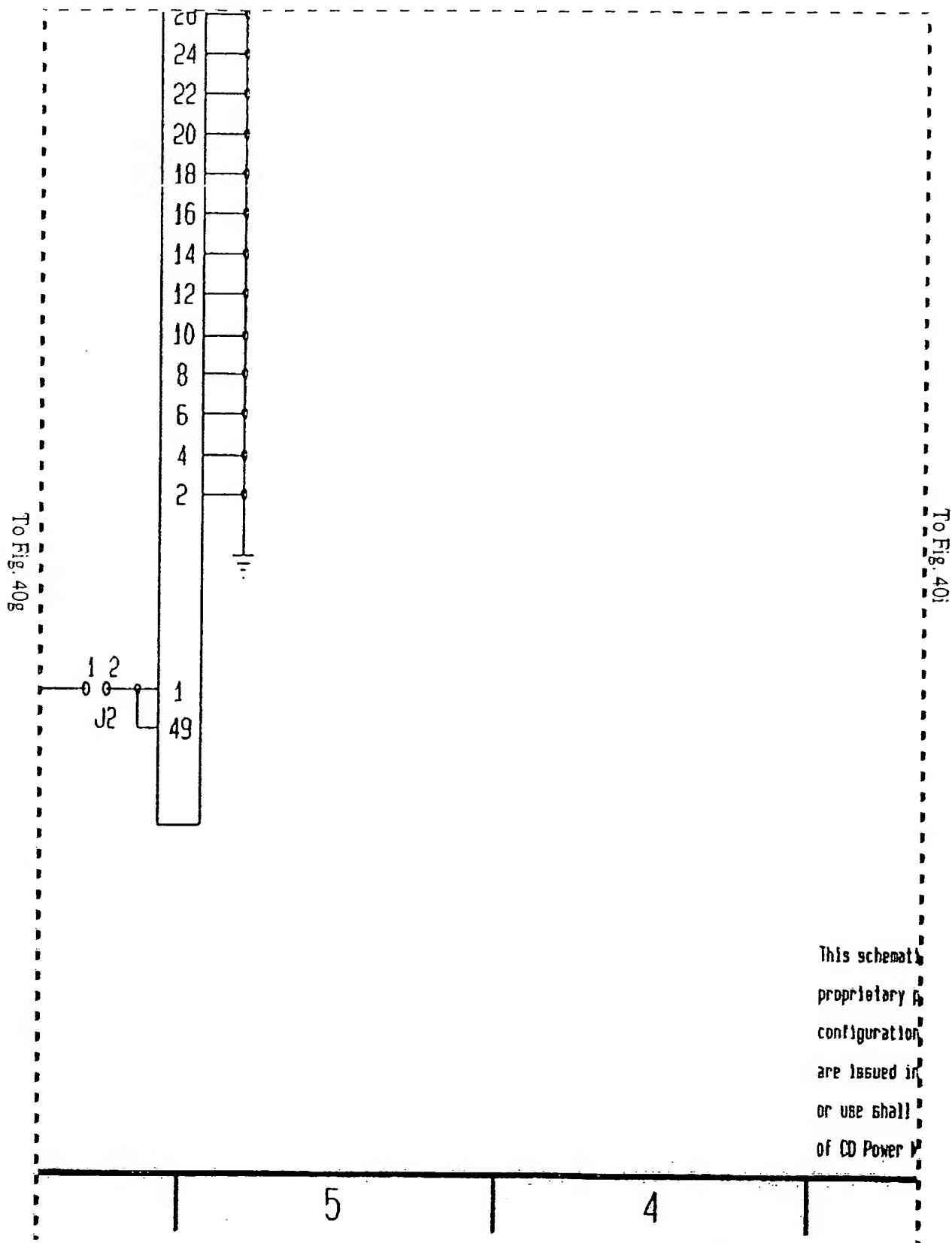


FIG. 40g

152 8207

110

To Fig. 40e



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Attorney Docket No. 6270/76, Serial No. 10/068,424 613,701

110

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To Fig. 40f

To Fig. 40h

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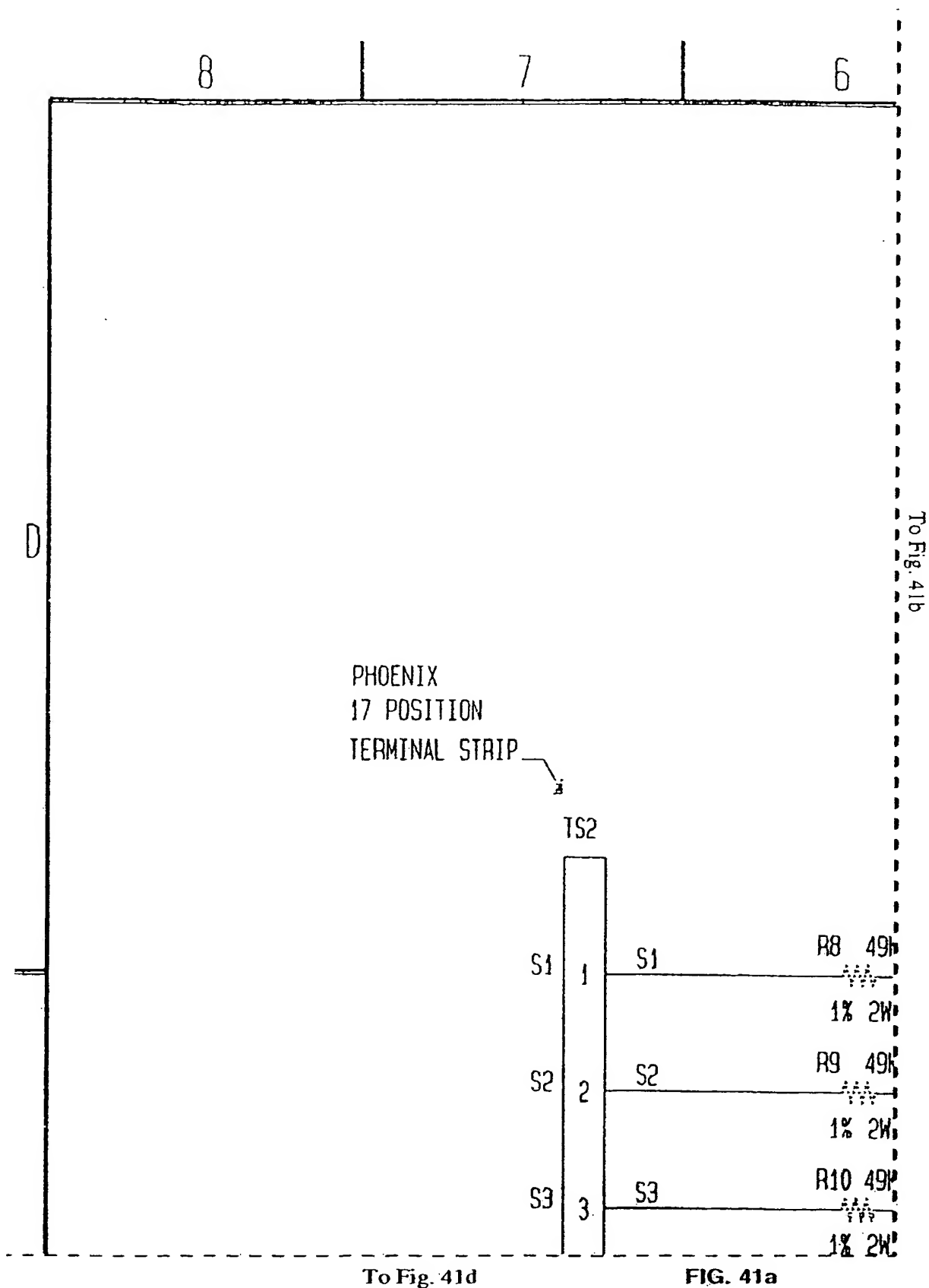
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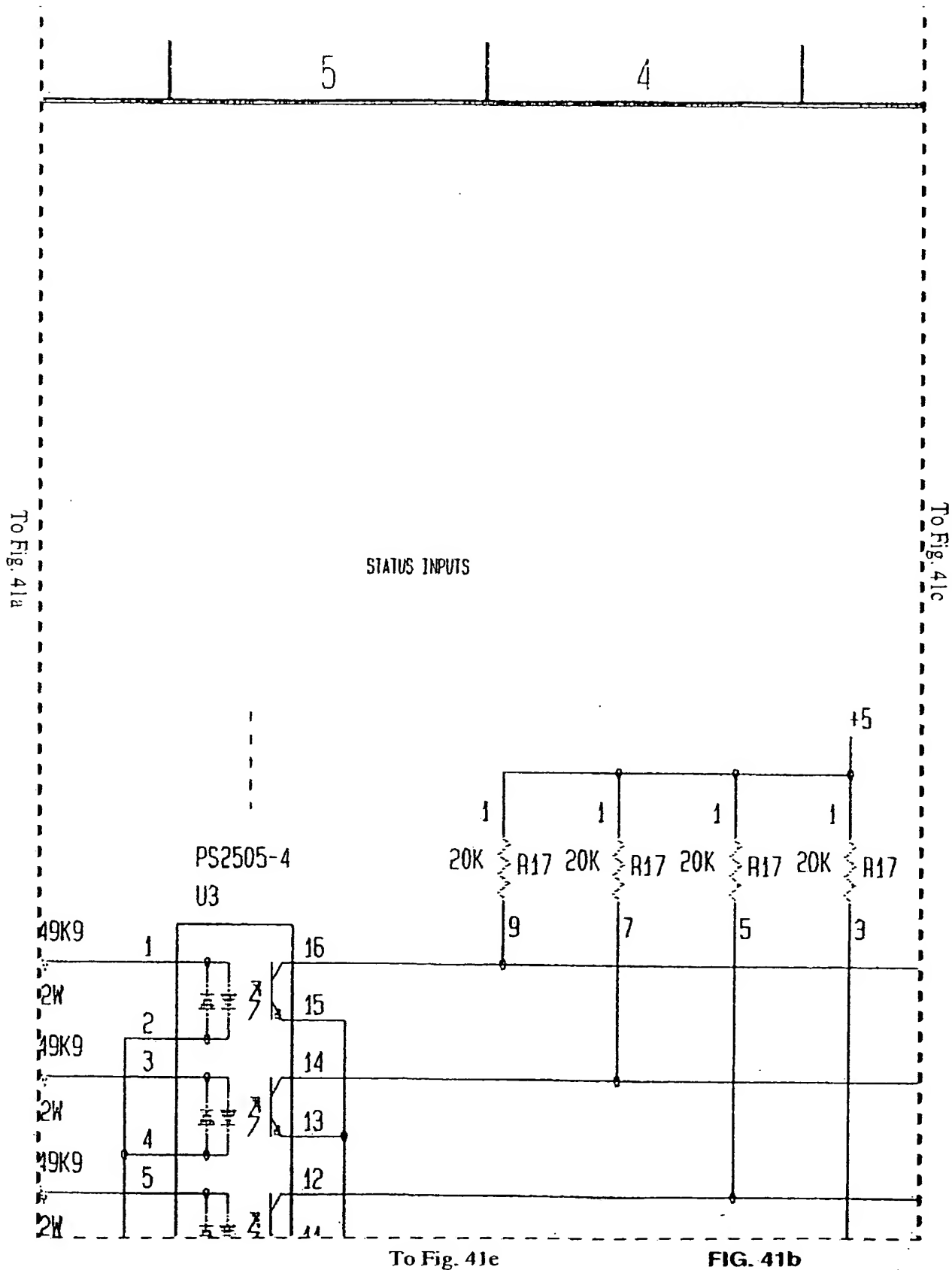
FIG. 40i

154 8 207



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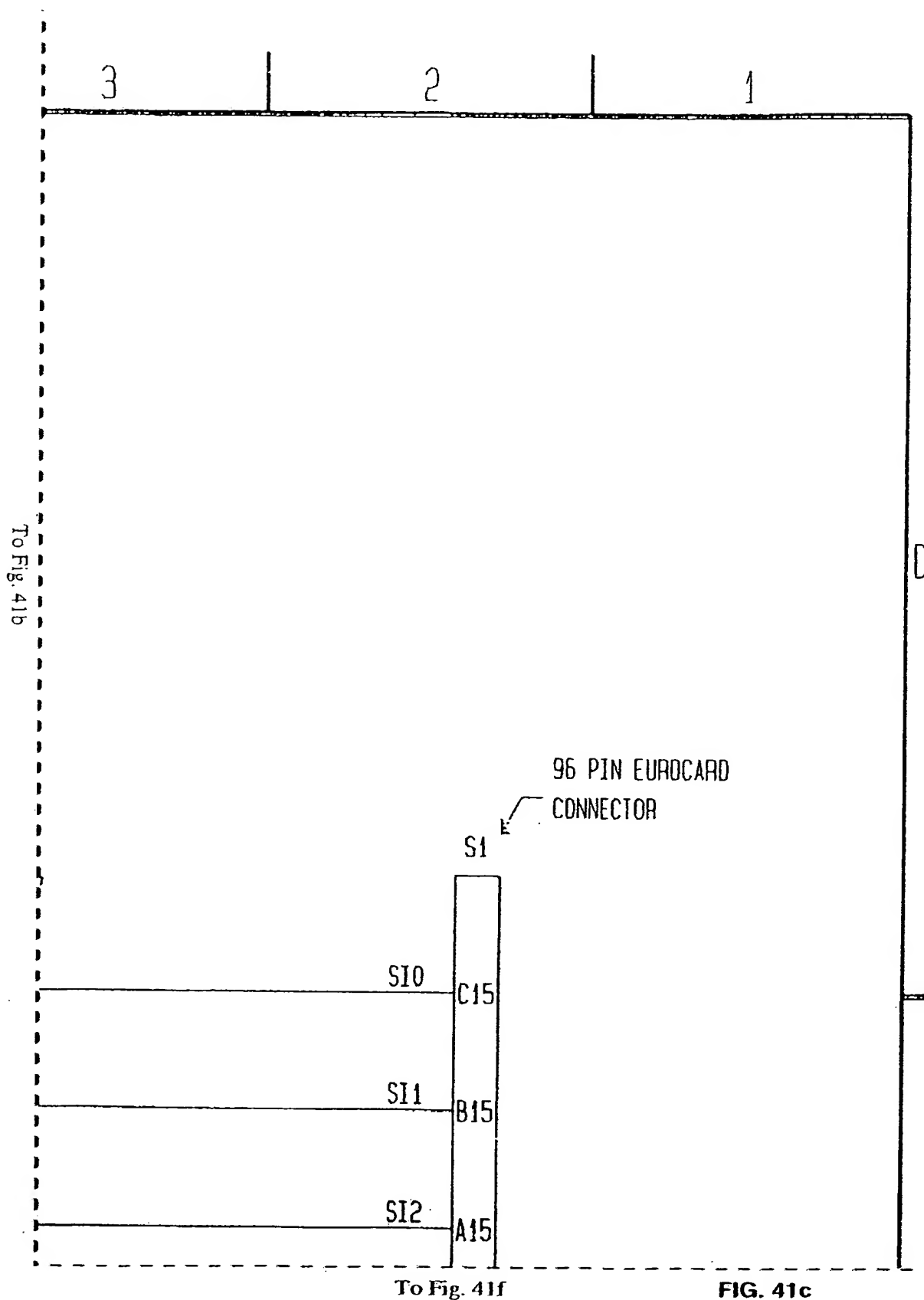


To Fig. 41e

FIG. 41b

Attorney Docket No. 6270/76, Serial No. 10/068,431

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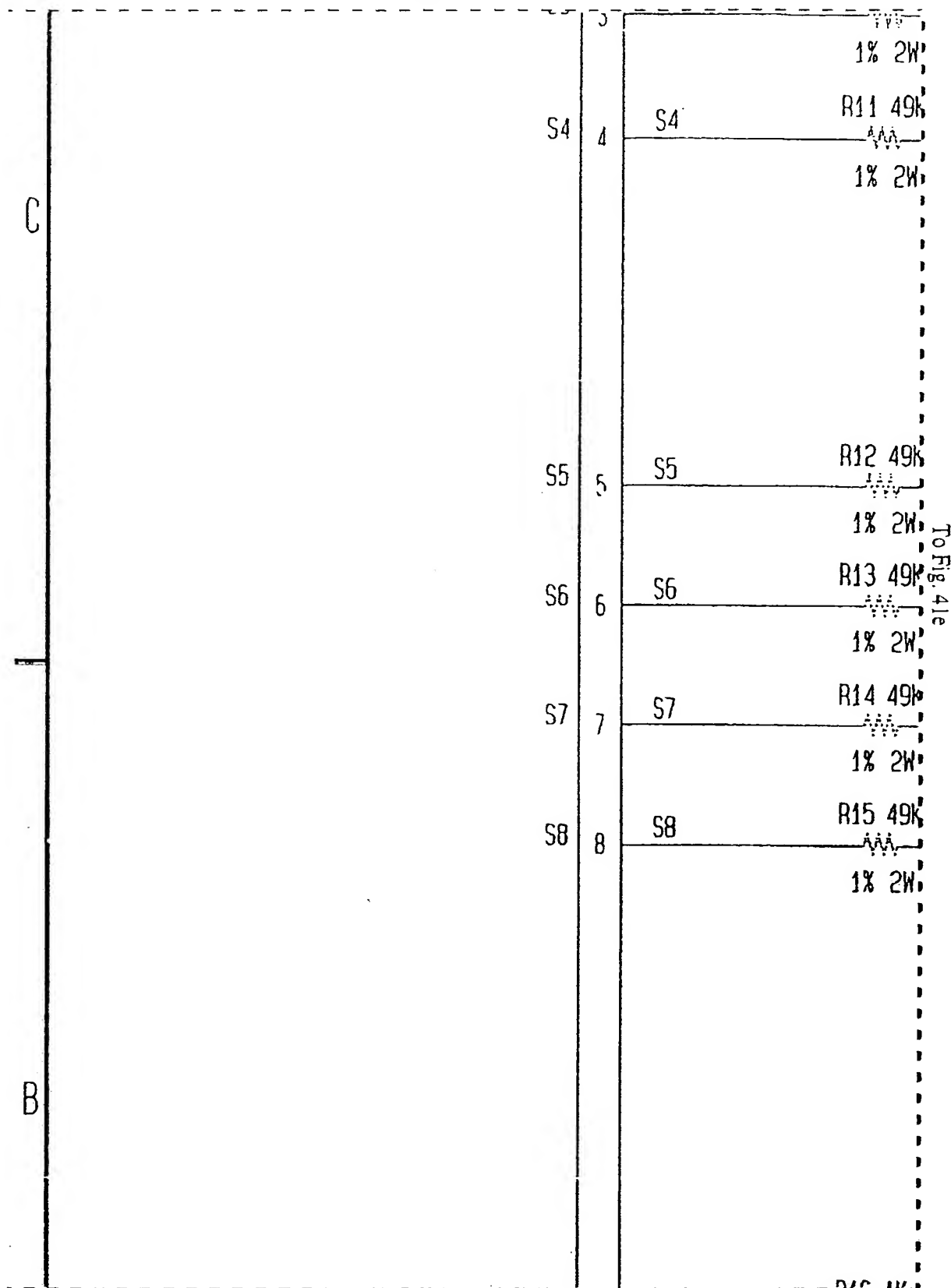


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Attorney Docket No. 627076, Serial No. 10/068,424 157 08 307 613,701

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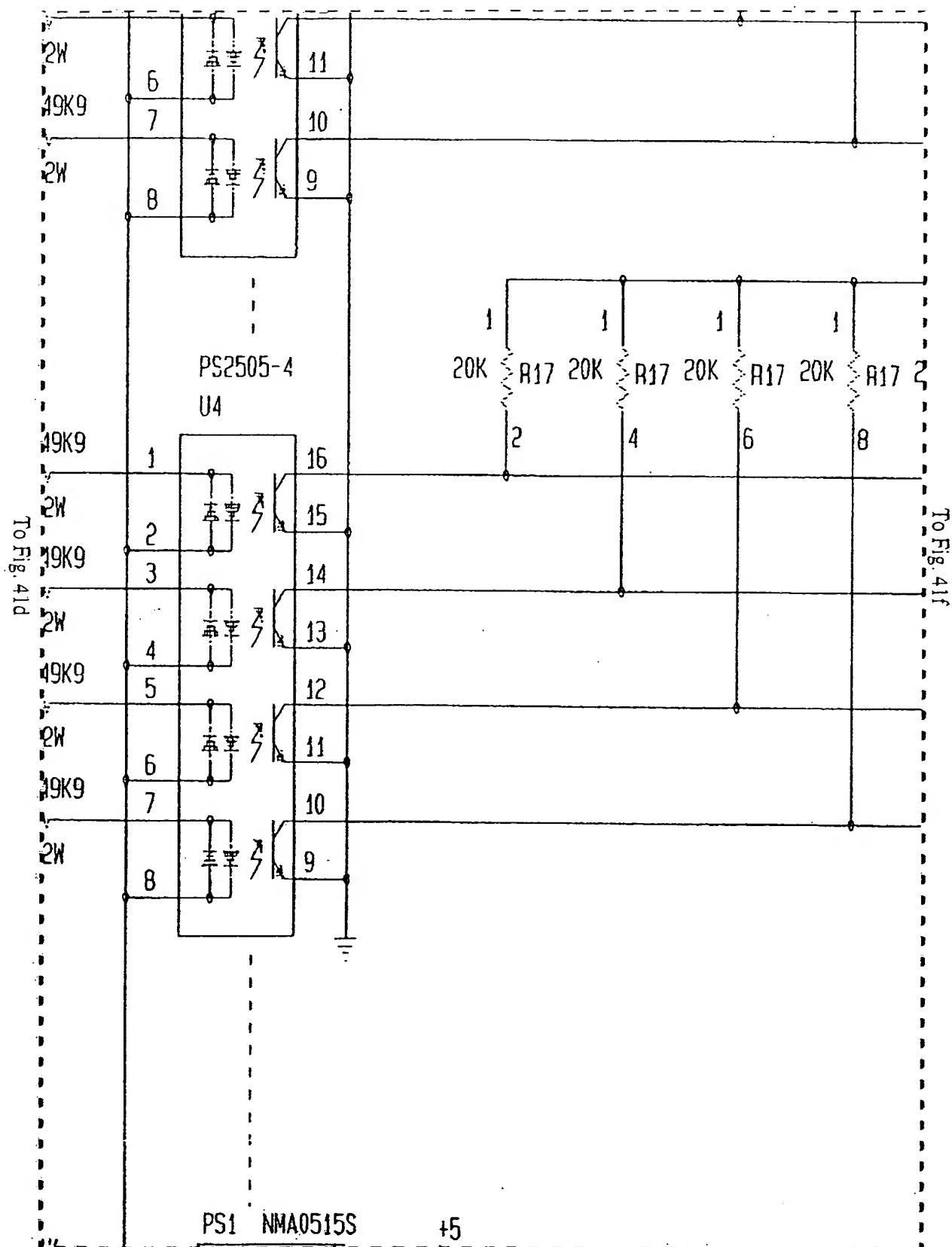
To Fig. 41a



To Fig. 41g

FIG. 41d

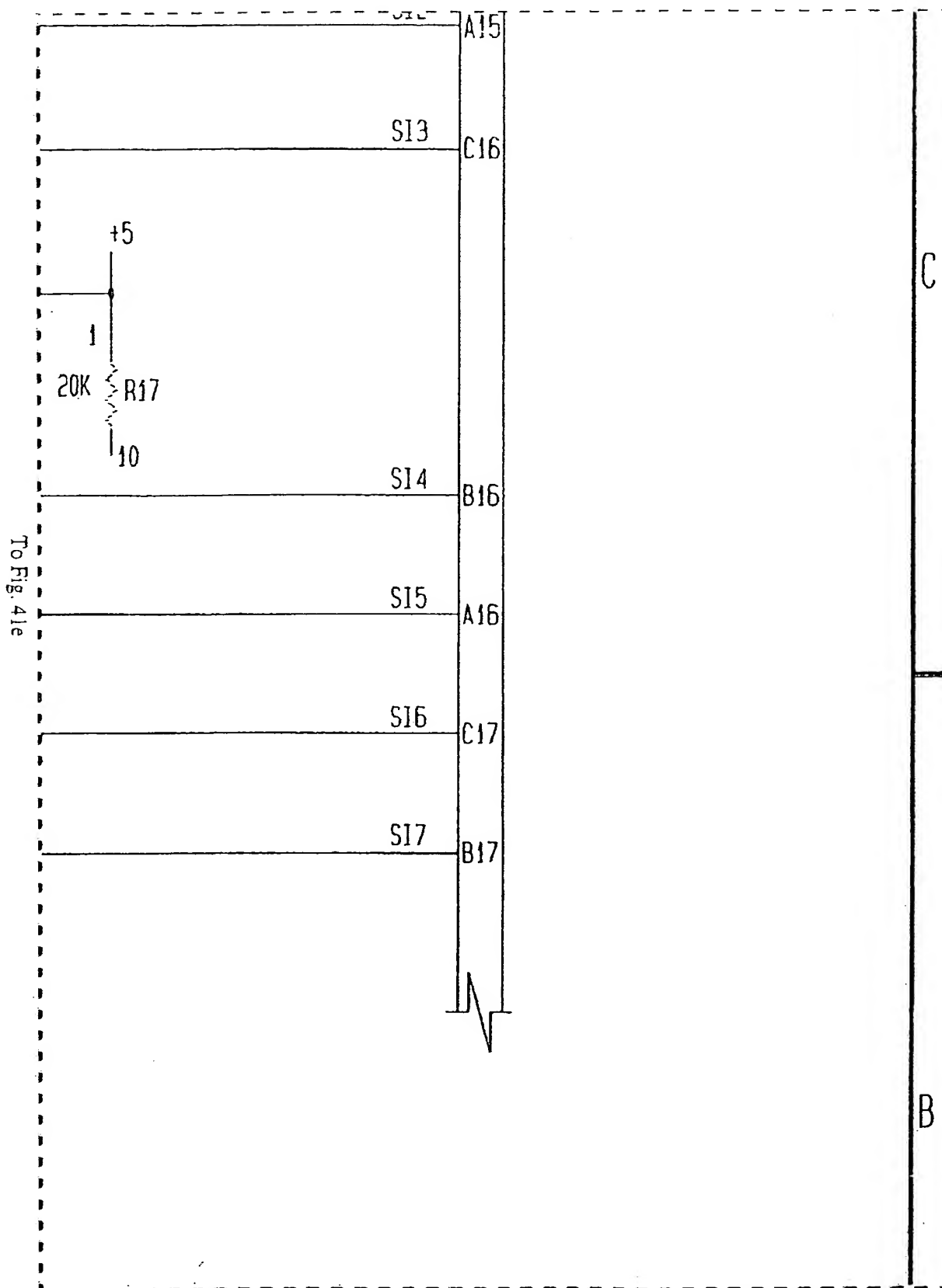
To Fig. 41b



To Fig. 41h

FIG. 41e

To Fig. 41c



To Fig. 41i

FIG. 41f

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Attorney Docket No. 6270/26, Serial No. 10/668,434 613,701

160 08 207

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To Fig. 41d

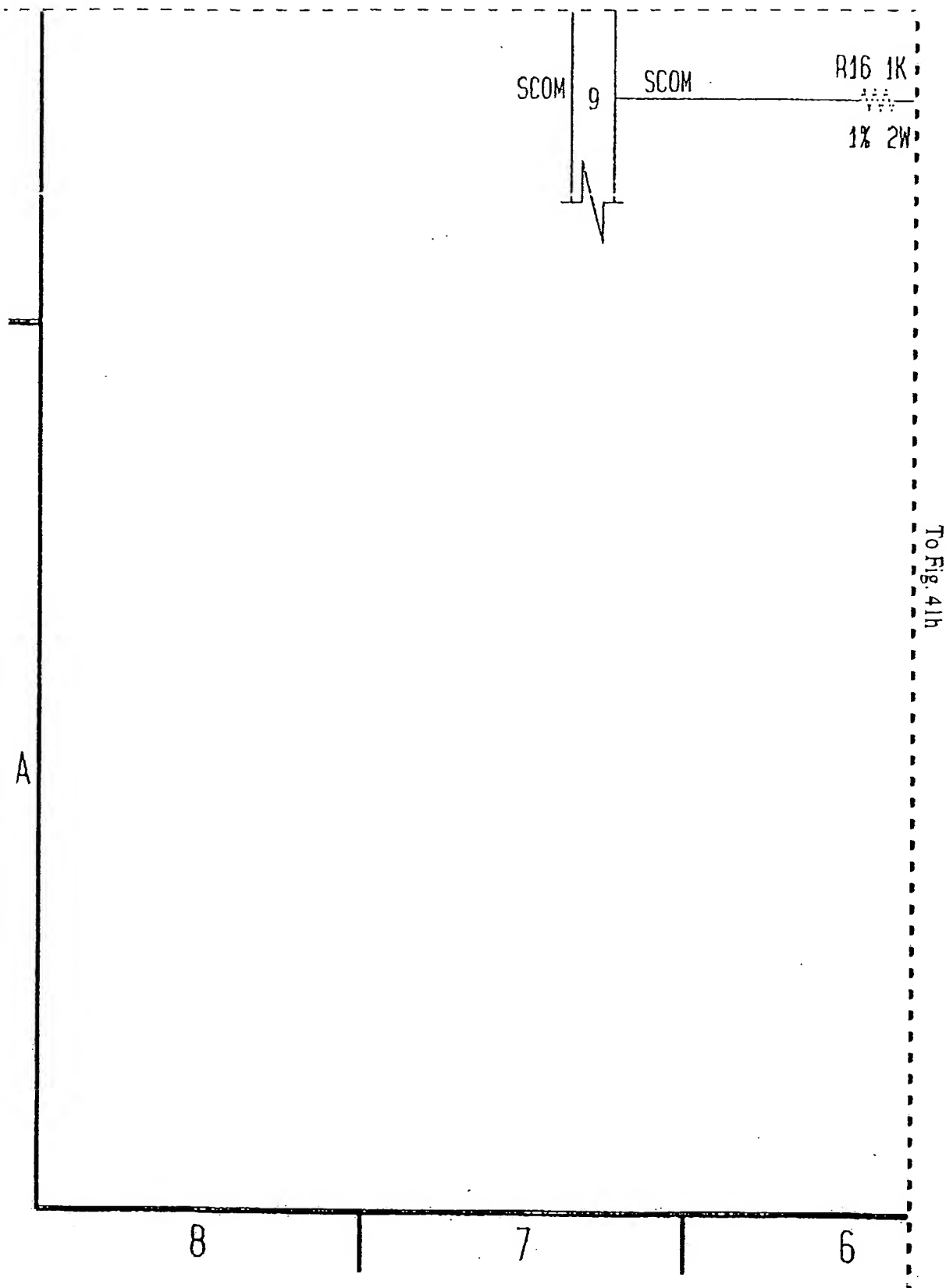
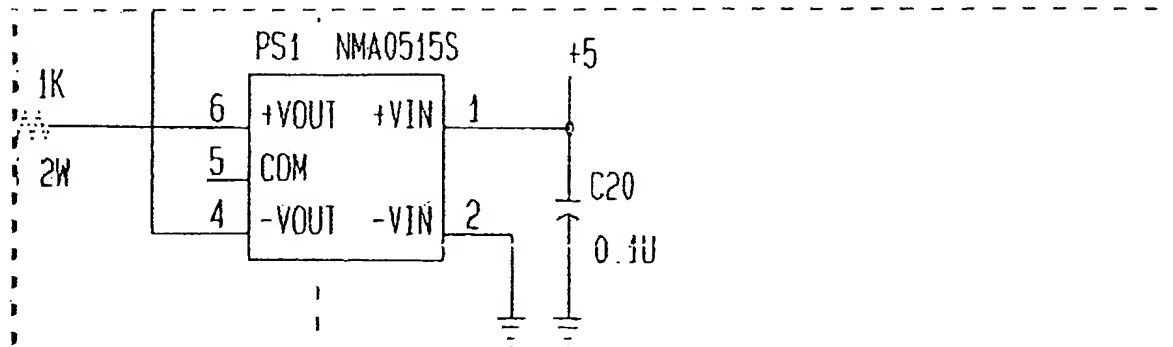


FIG. 41g

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To Fig. 41e



To Fig. 41g

To Fig. 41i

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FIG. 41h

162 88 007

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To Fig. 41f

To Fig. 41h

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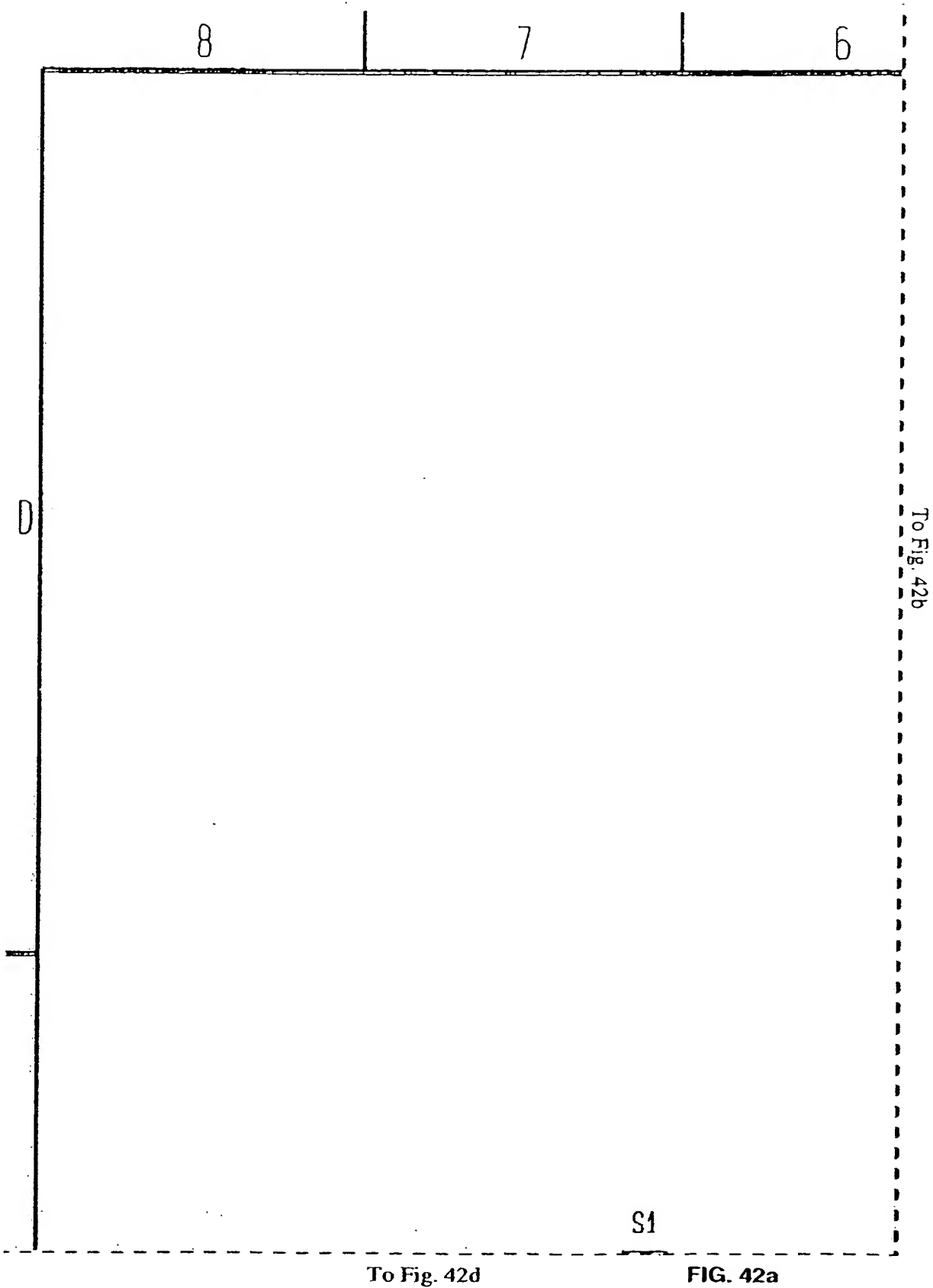
1

FIG. 41i

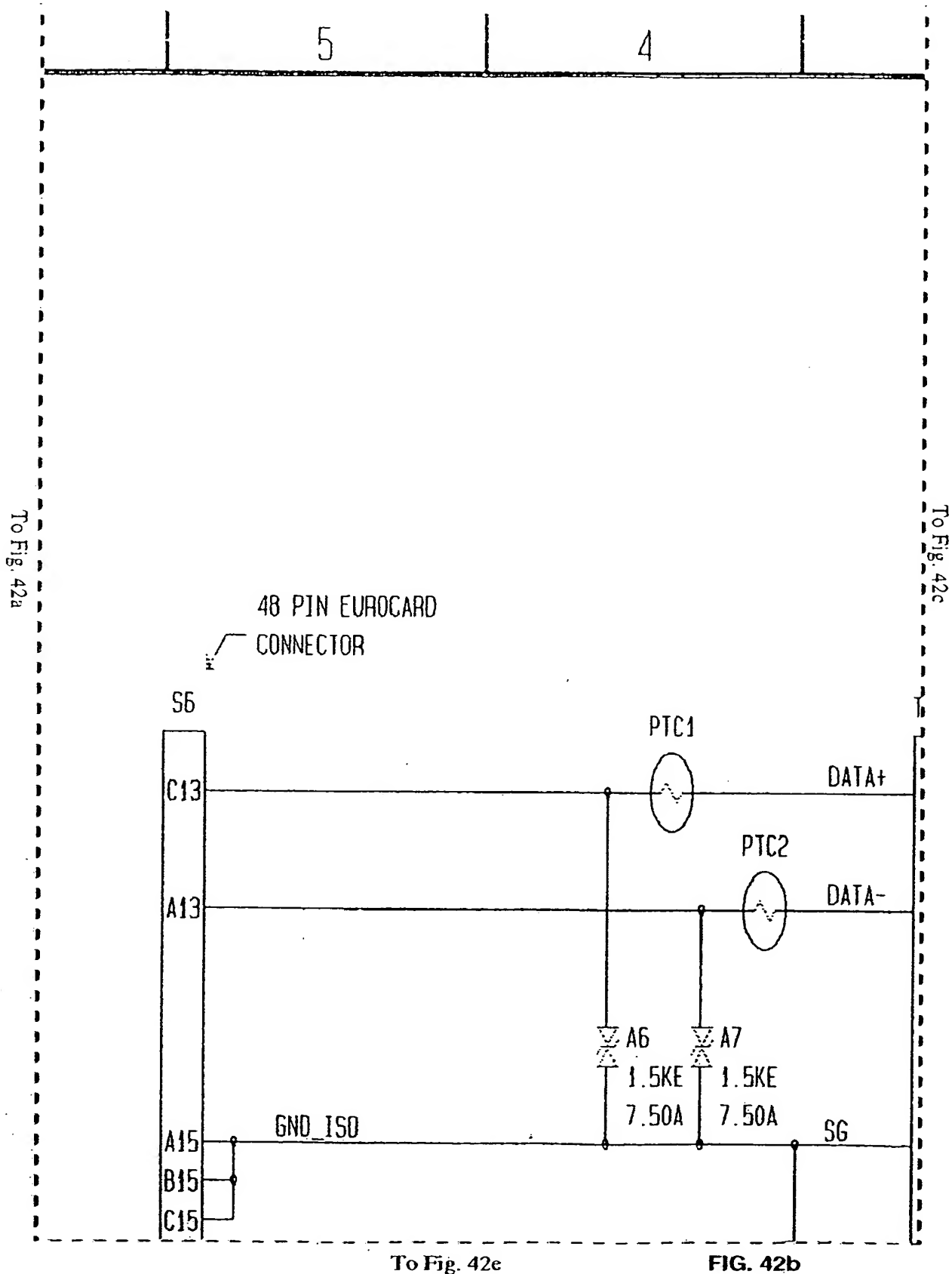
Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/76, Serial No. 10/968,434 163 08 207  
110 613,701

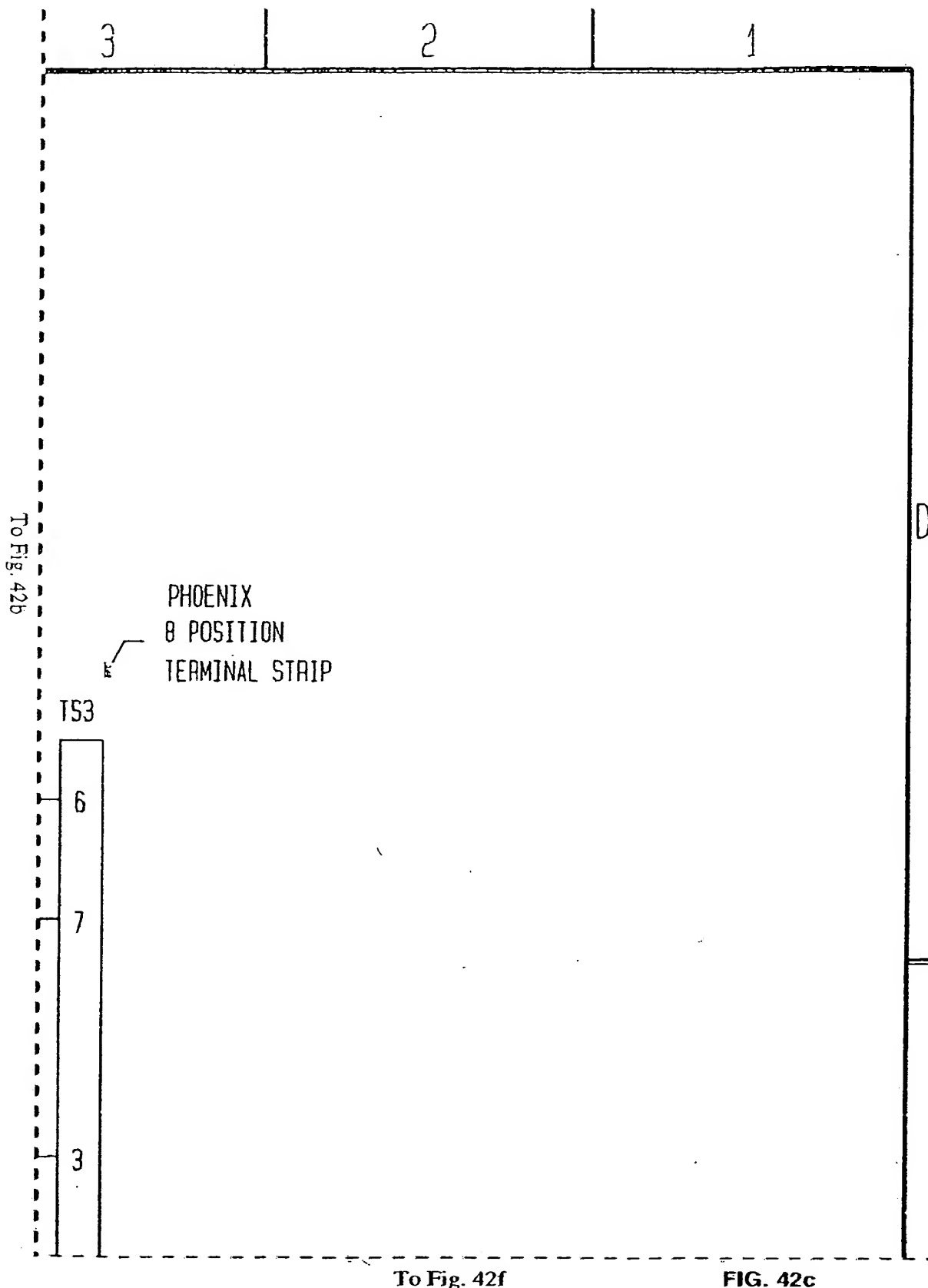


164 0707



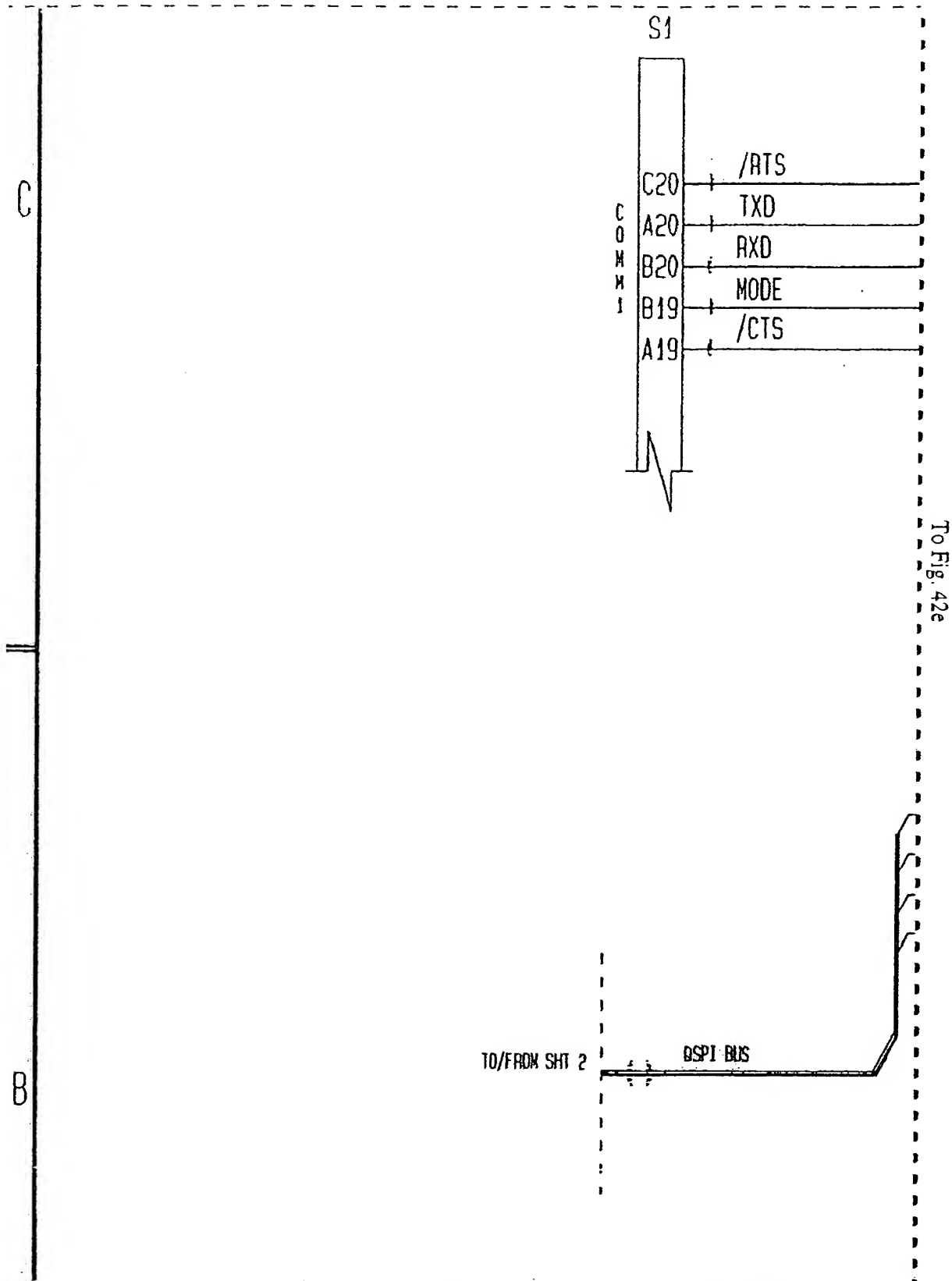


165 17 207



166 08207

To Fig. 42a

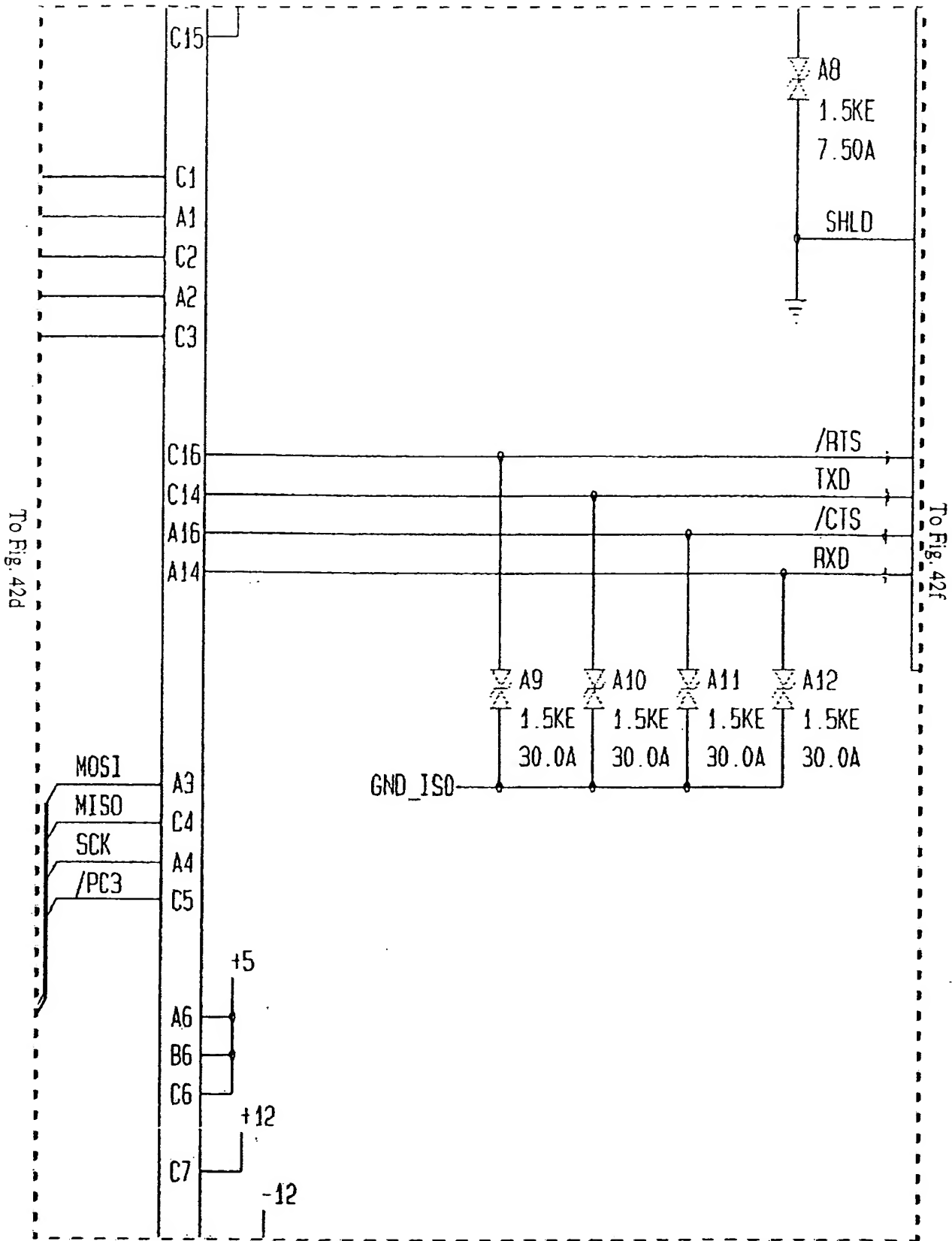


To Fig. 42g

FIG. 42d

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To Fig. 42b

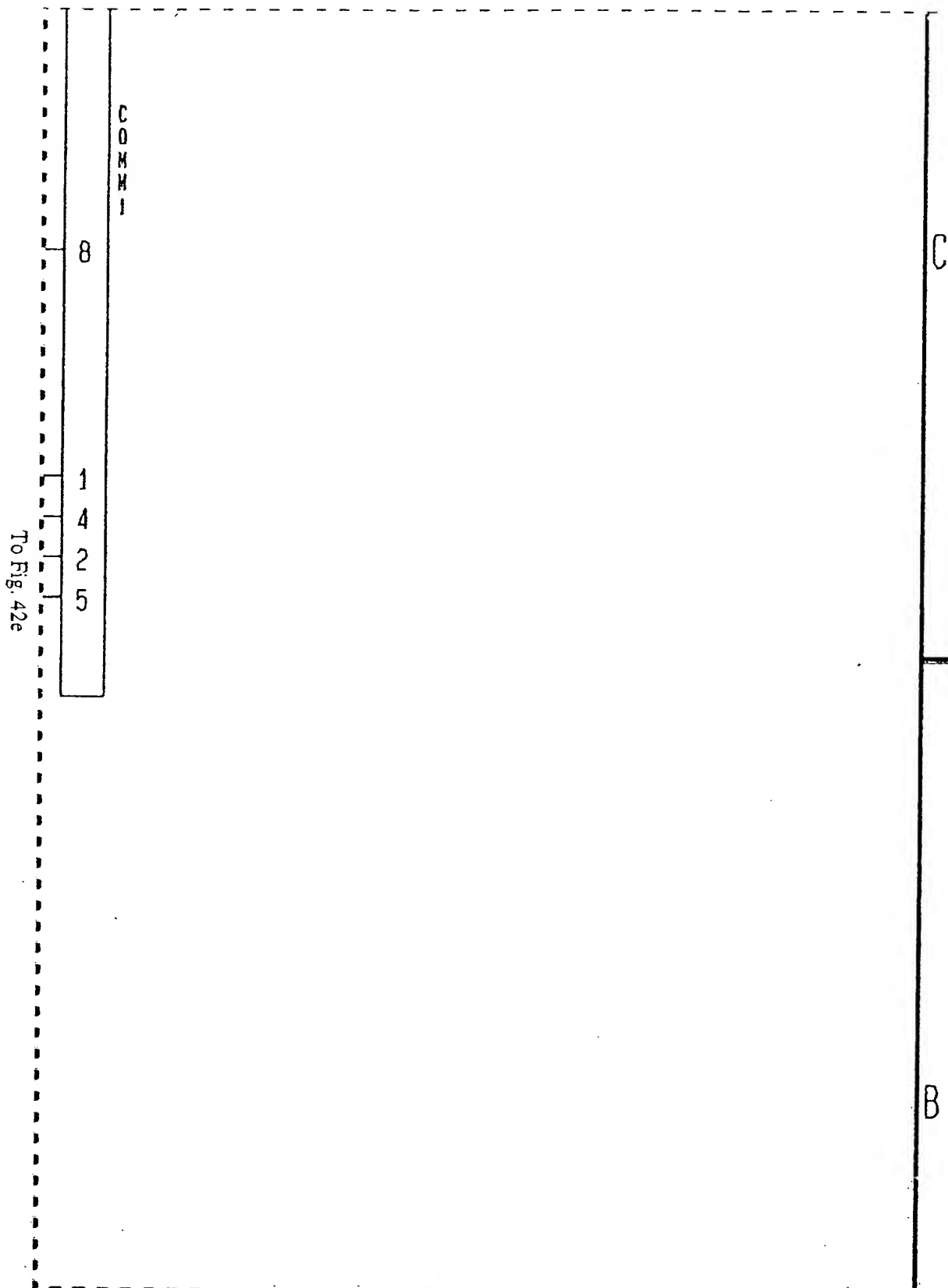


To Fig. 42h

FIG. 42e

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To Fig. 42c



To Fig. 42e

To Fig. 42i

FIG. 42f

169 07 207

To Fig. 42d

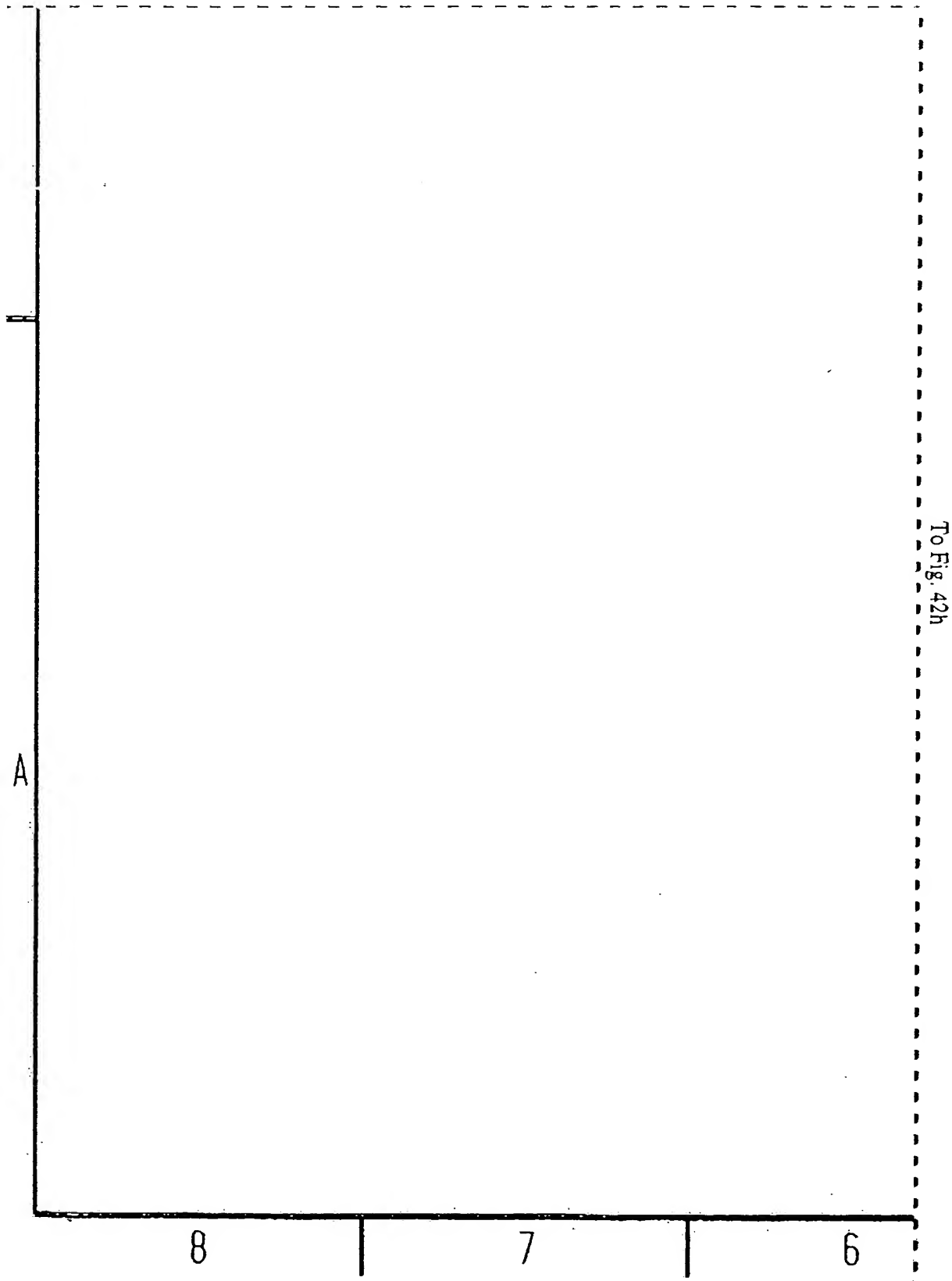
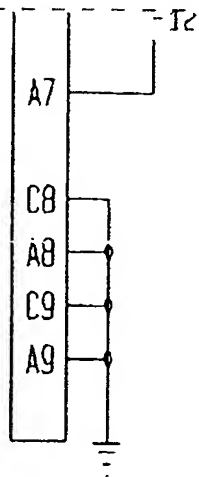


FIG. 42g

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110

To Fig. 42e



To Fig. 42g

To Fig. 42i

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FIG. 42h

171 9 207

To Fig. 42f

To Fig. 42h

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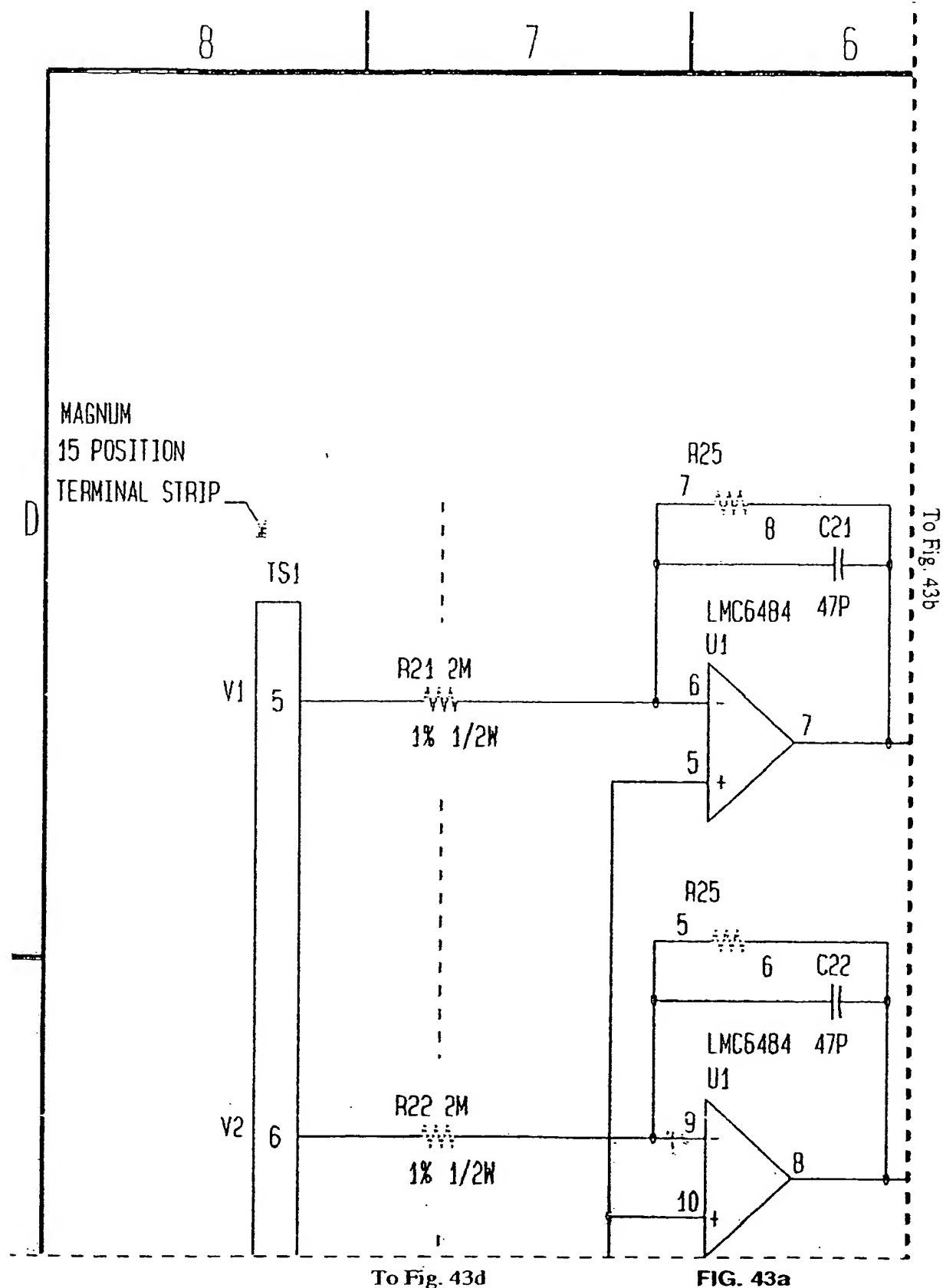
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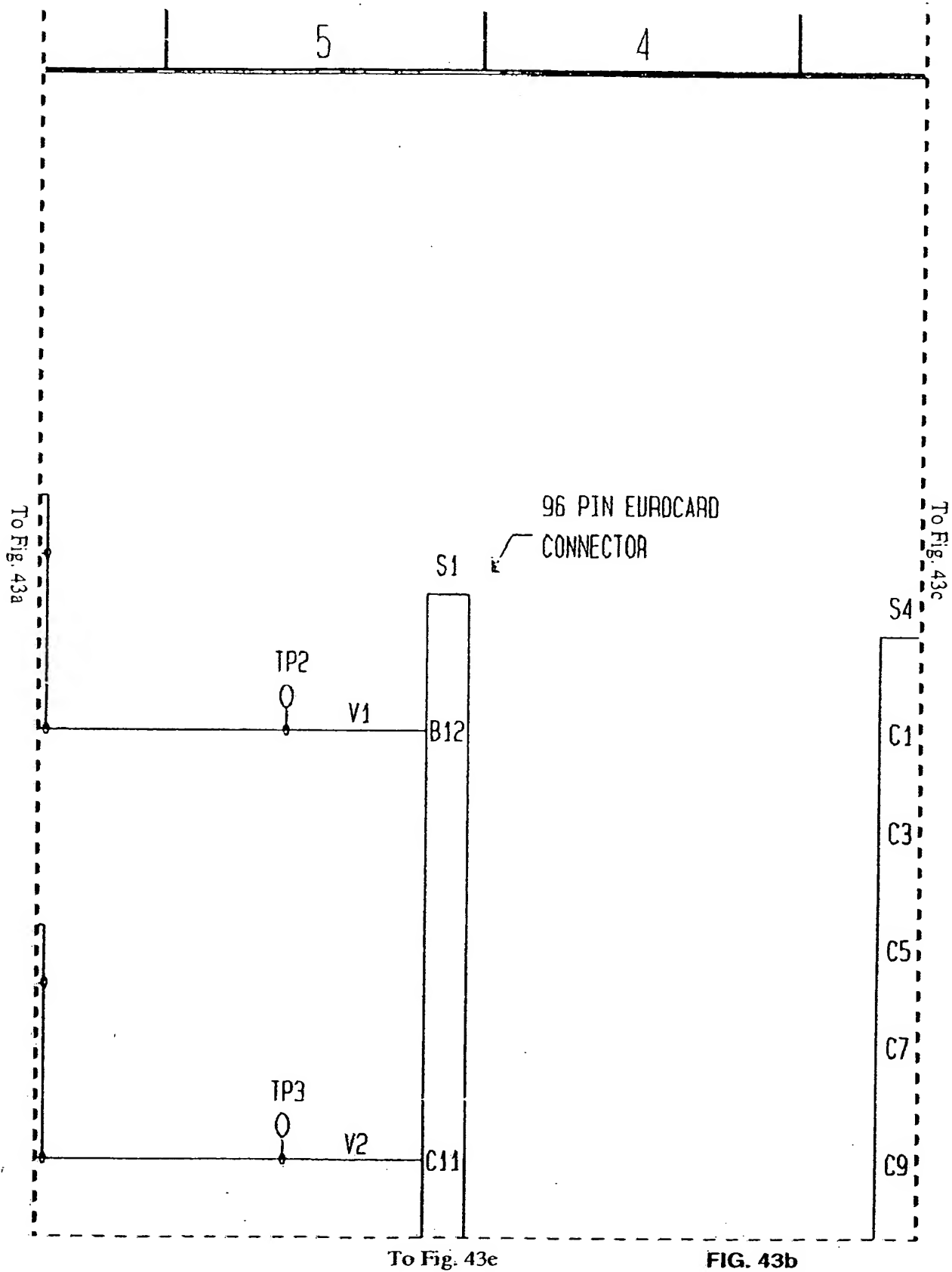
FIG. 42i

172 9 207

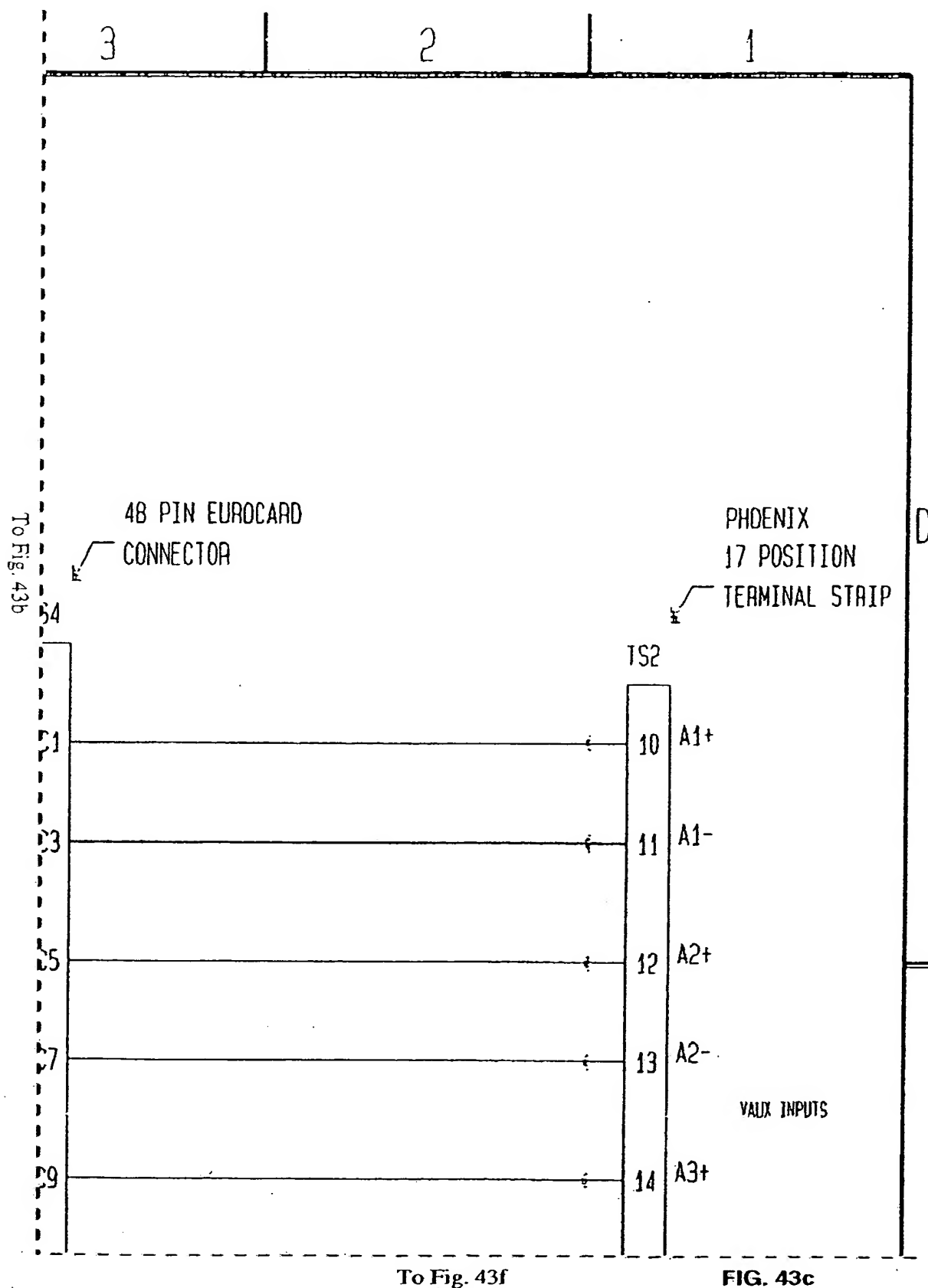
110







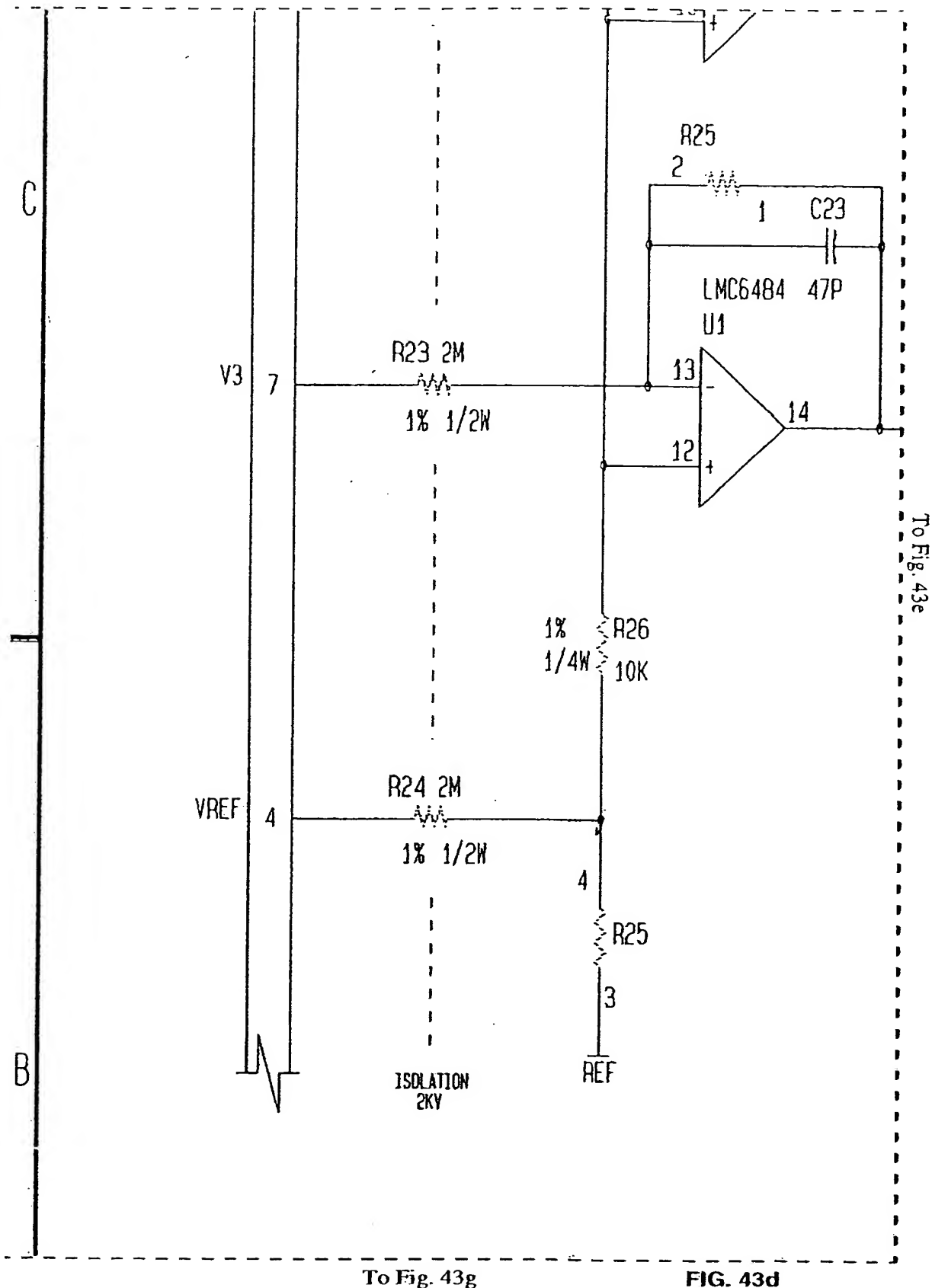
174 08 207



175 28 207

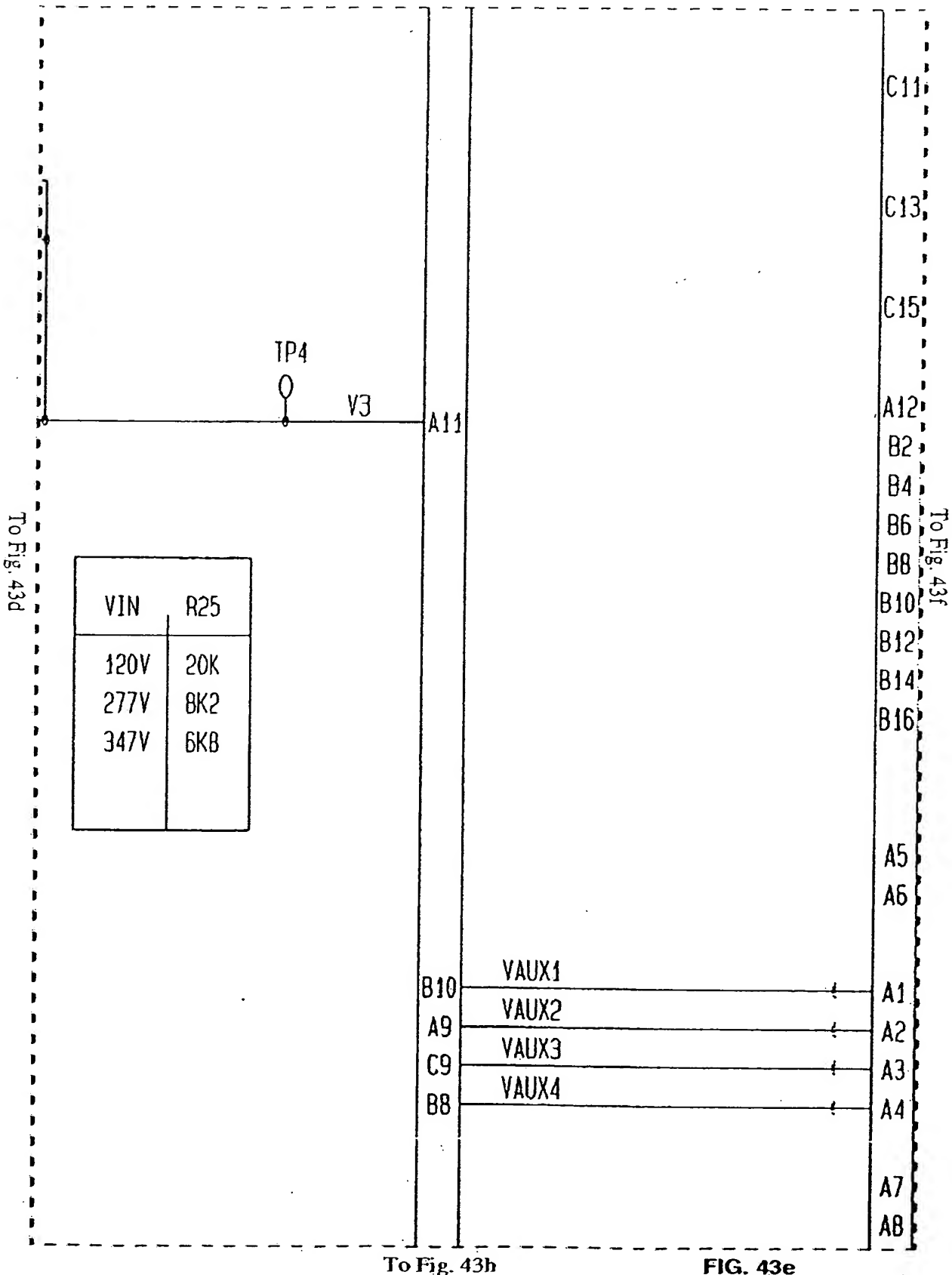
(10)

To Fig. 43a



176 08 207

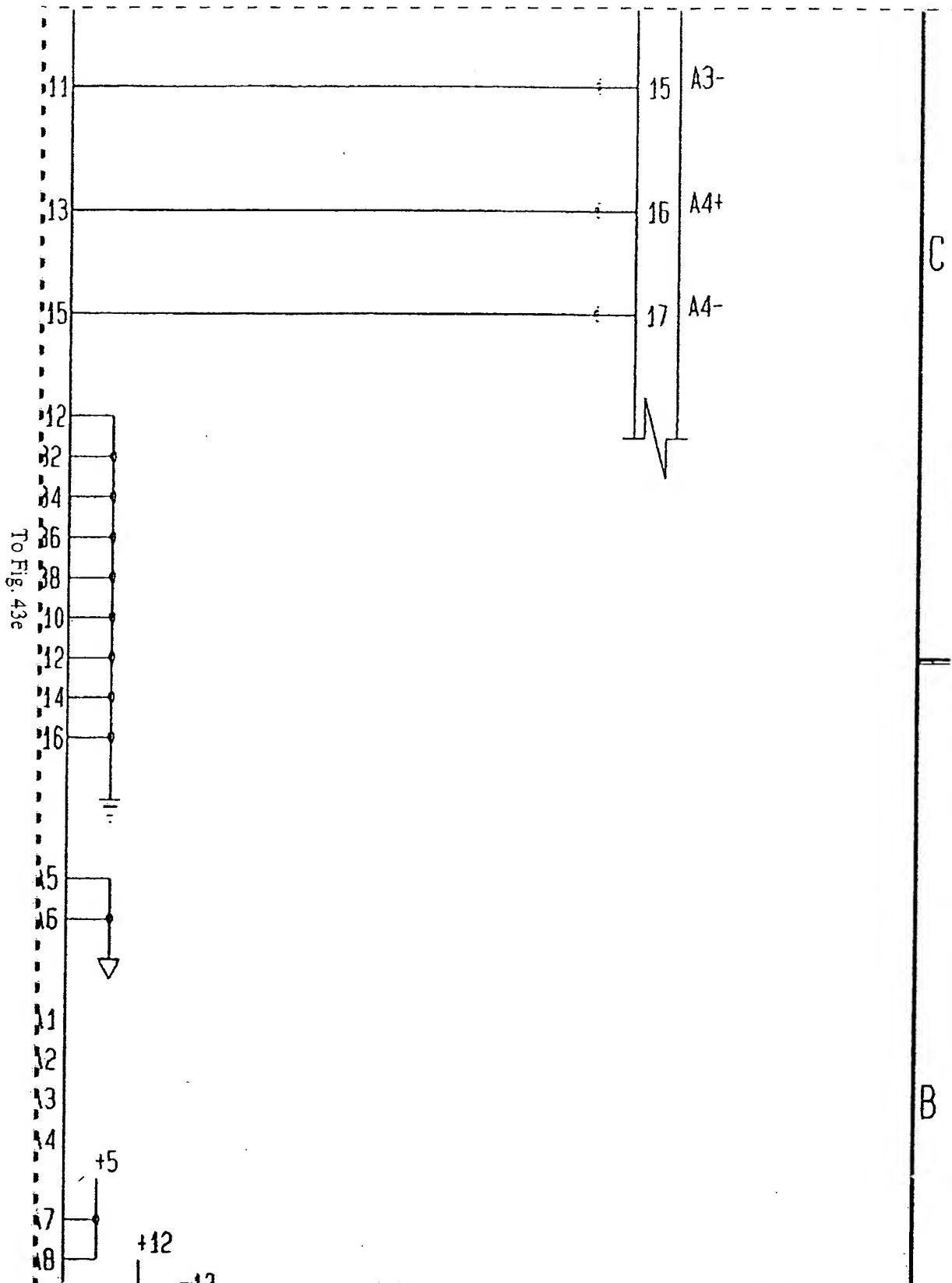
To Fig. 43b



To Fig. 43h

FIG. 43e

To Fig. 43c



To Fig. 43i

FIG. 43f

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To Fig. 43d

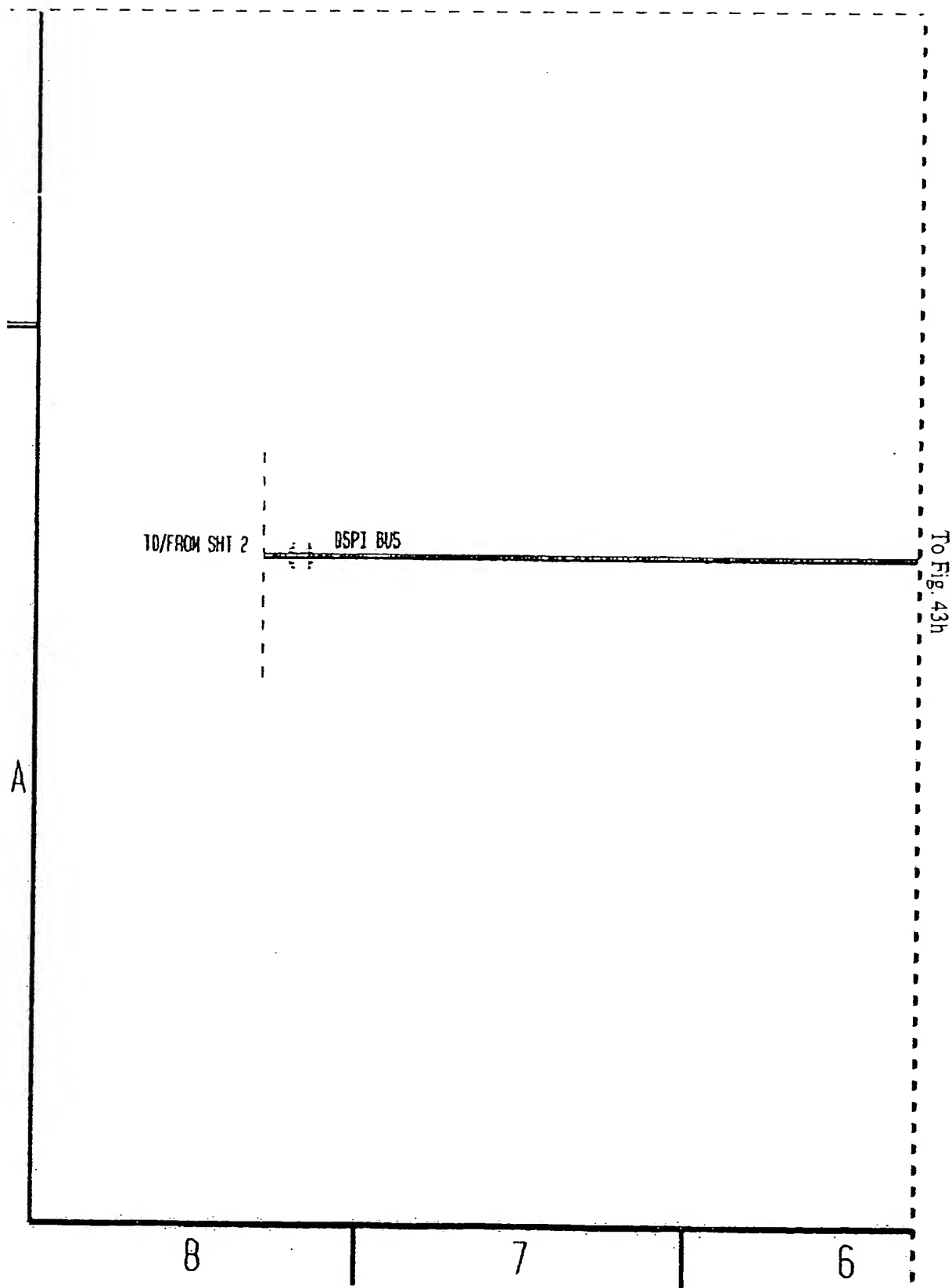


FIG. 43g

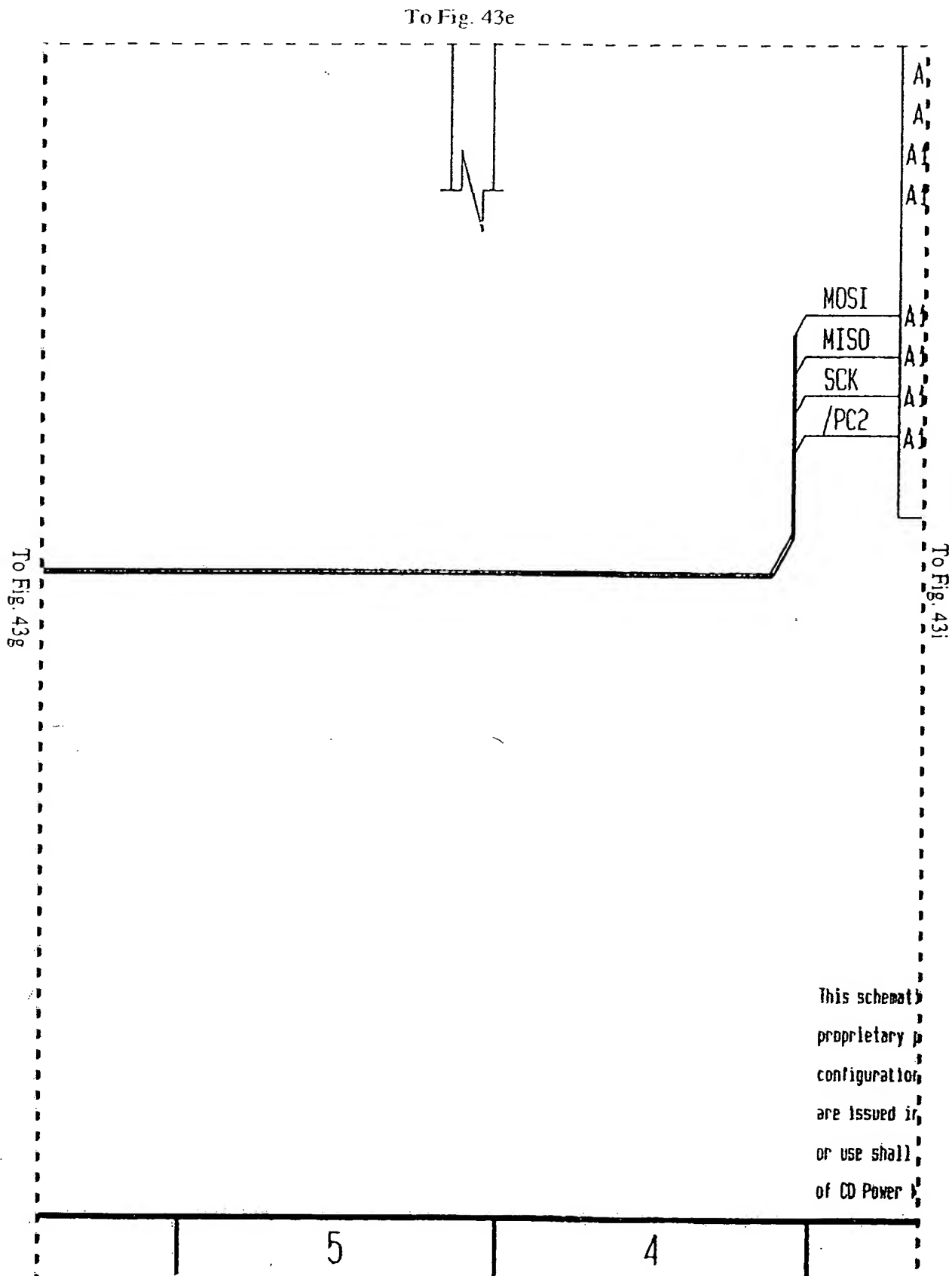
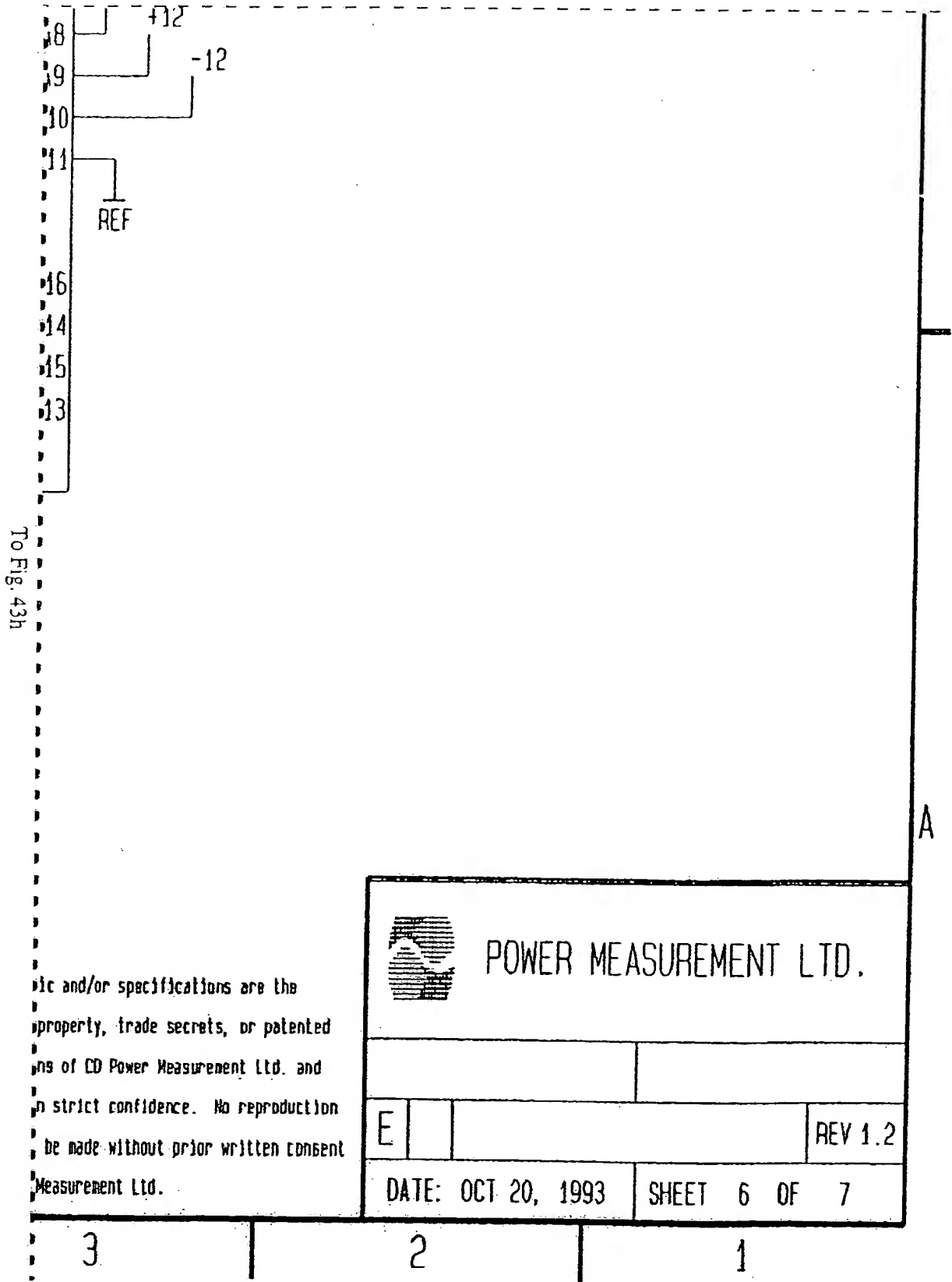


FIG. 43h

180 8 207

To Fig. 43f



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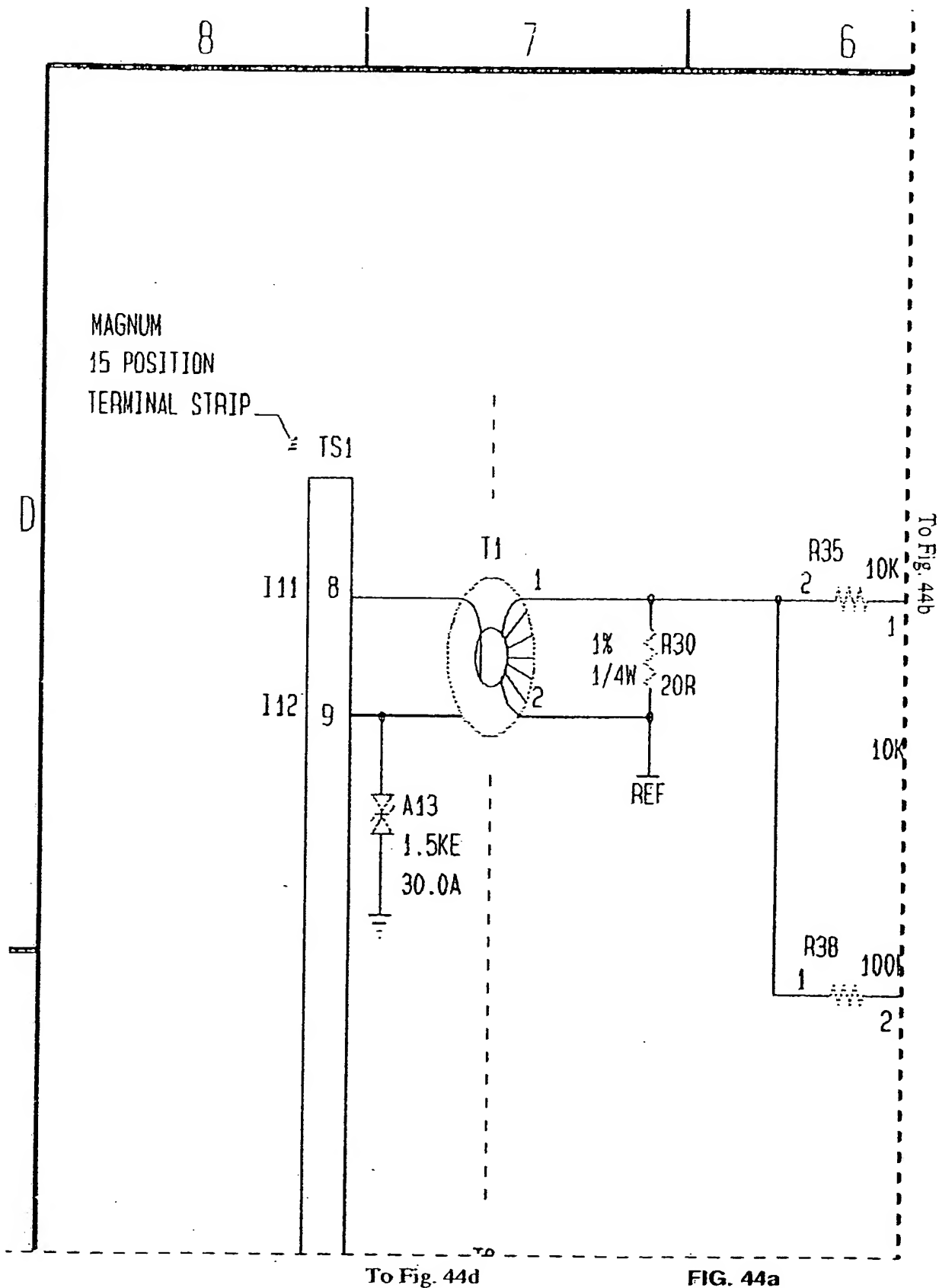
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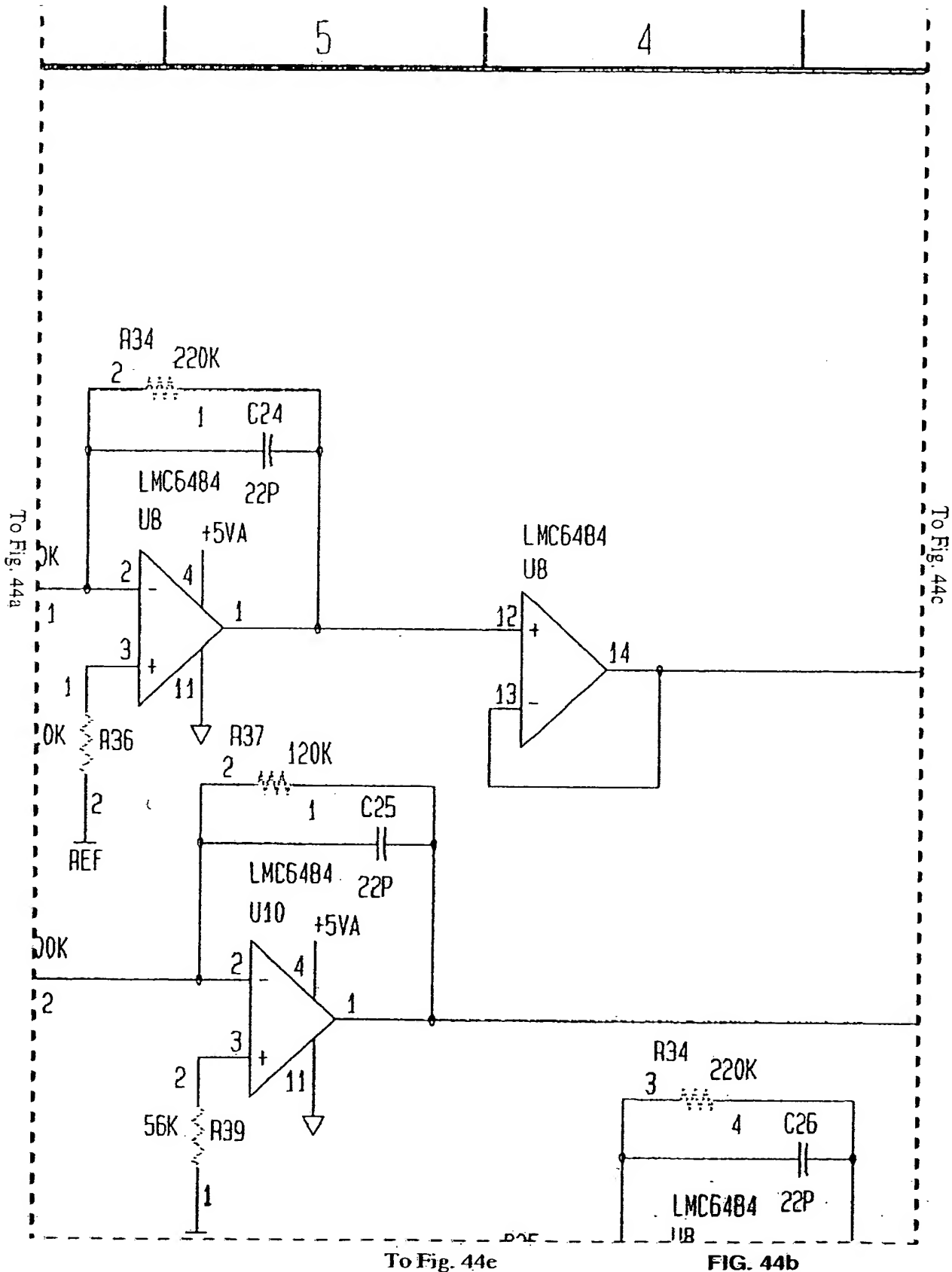
1

FIG. 43i





182 8207



To Fig. 44c

FIG. 44b

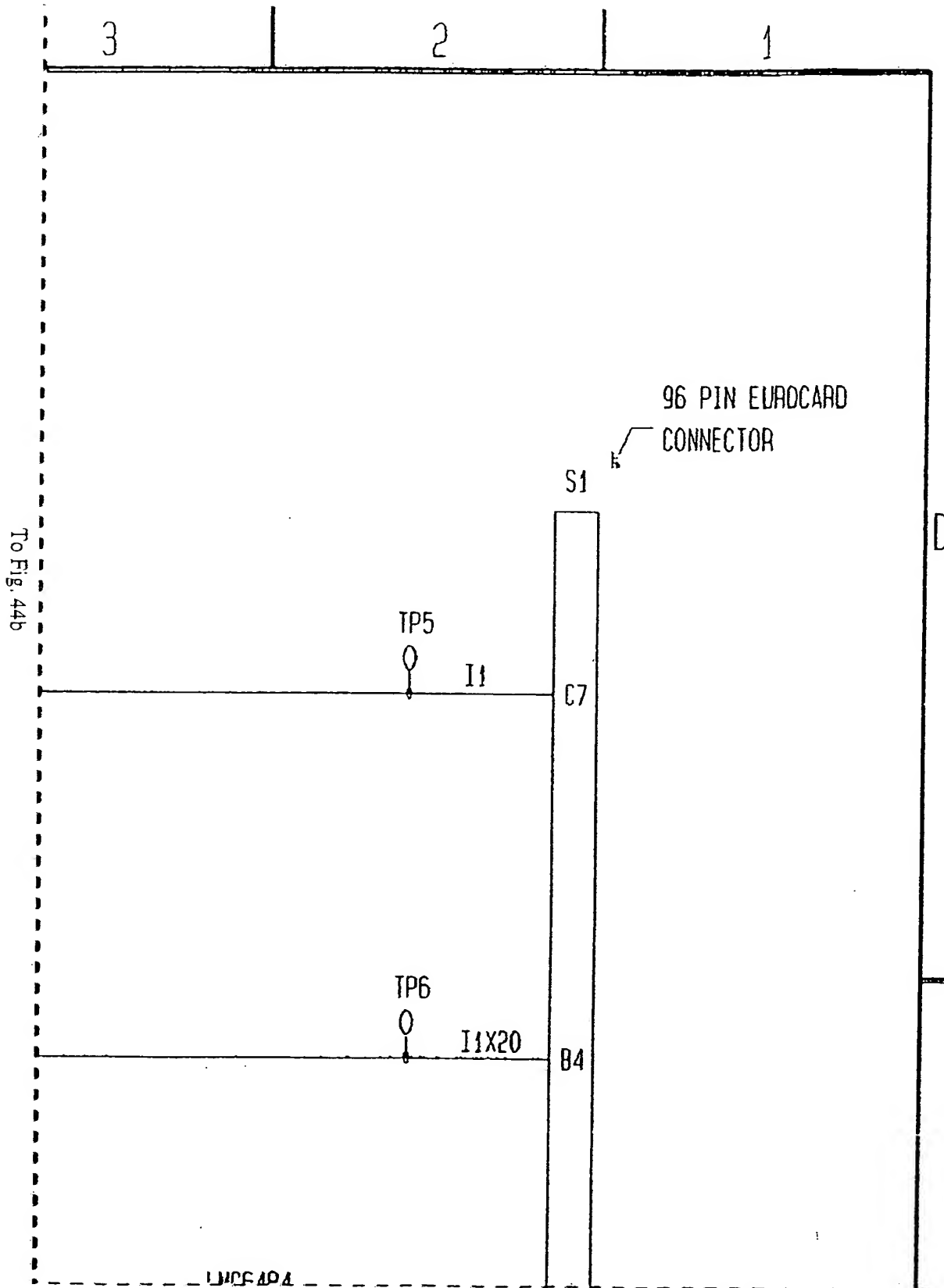
Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/26, Serial No. 10/068,431 613,701

(10)

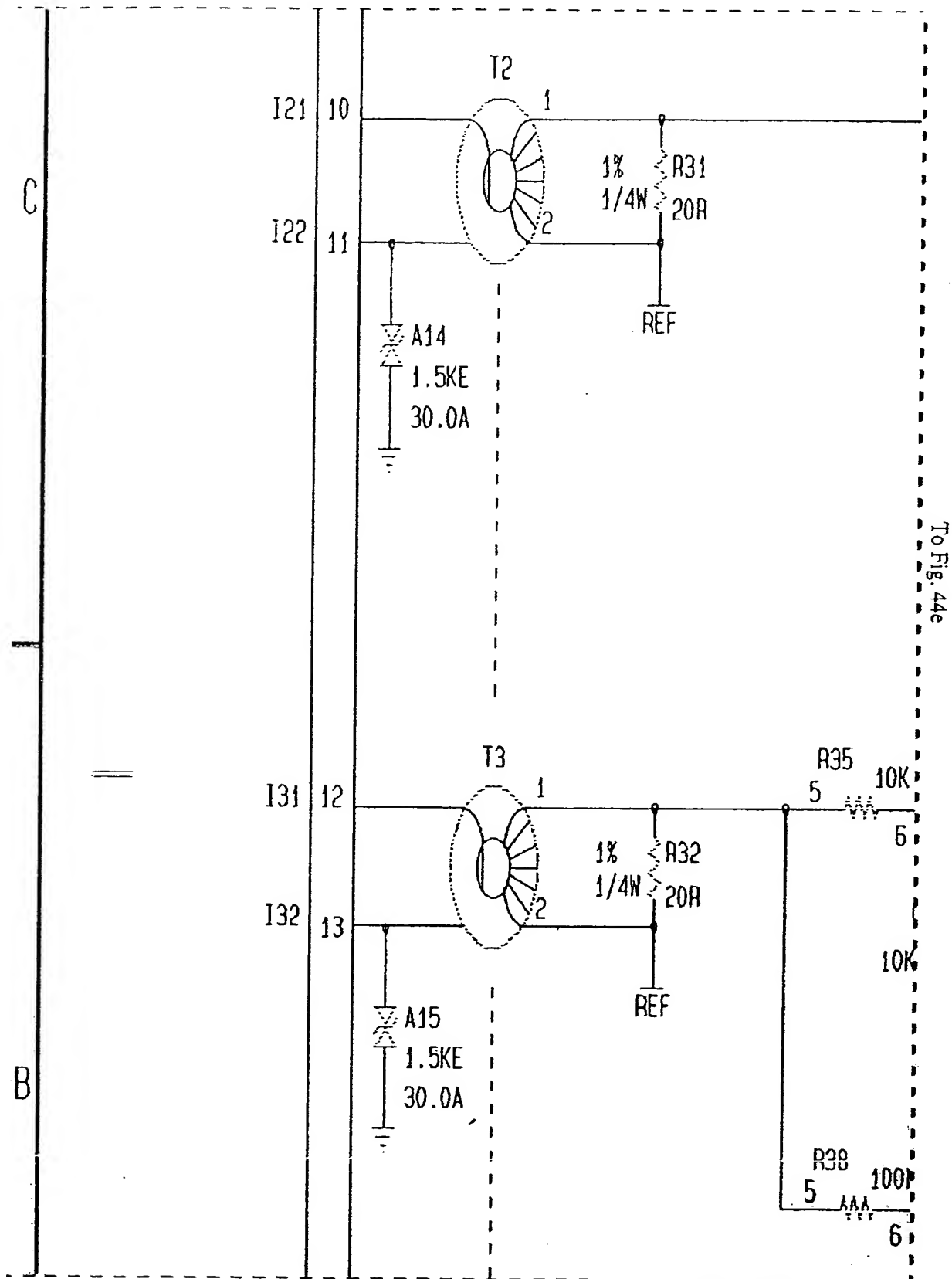
183 06 207



To Fig. 44f

FIG. 44c

To Fig. 44a



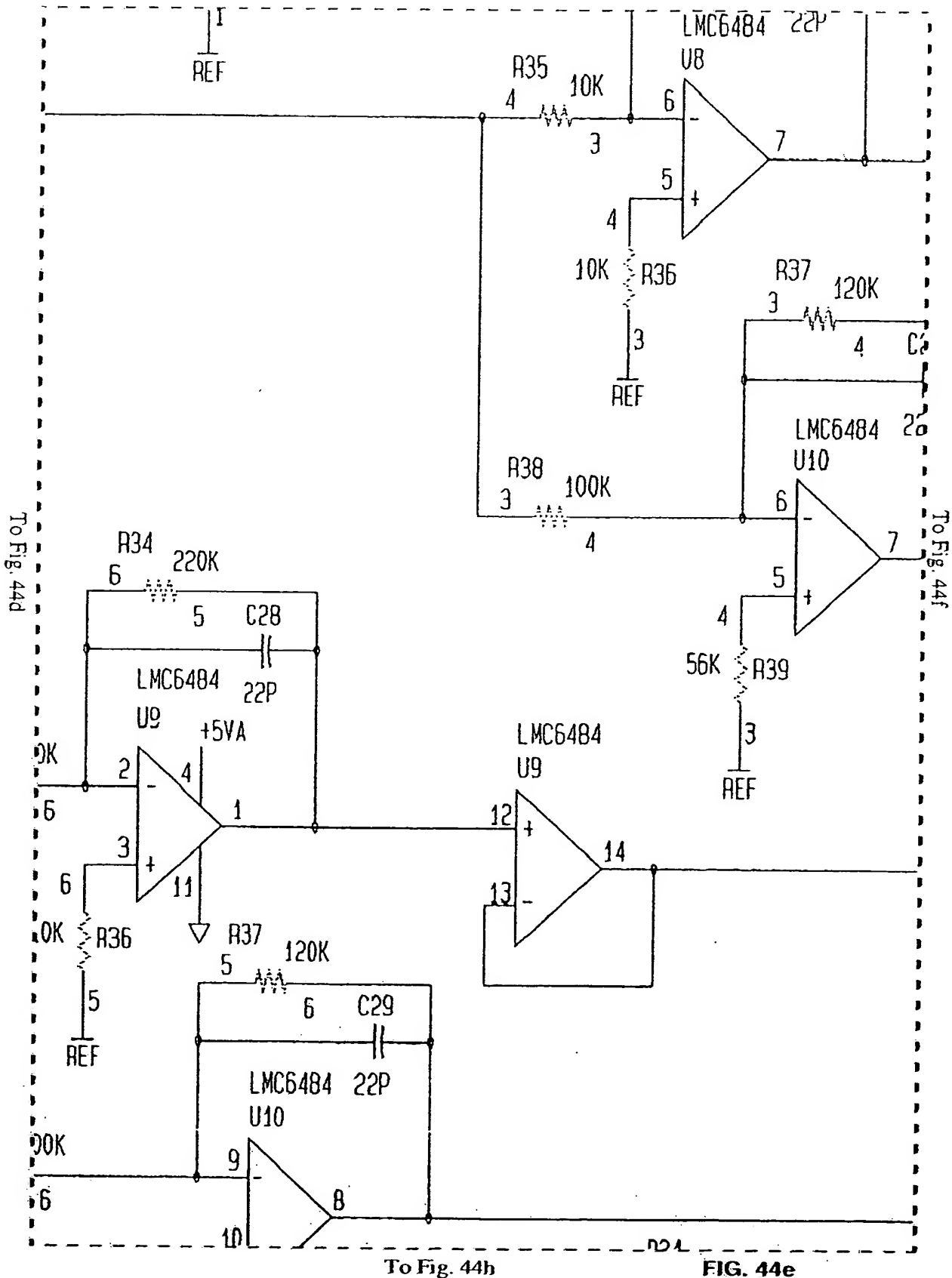
To Fig. 44e

To Fig. 44g

FIG. 44d

185 00 207

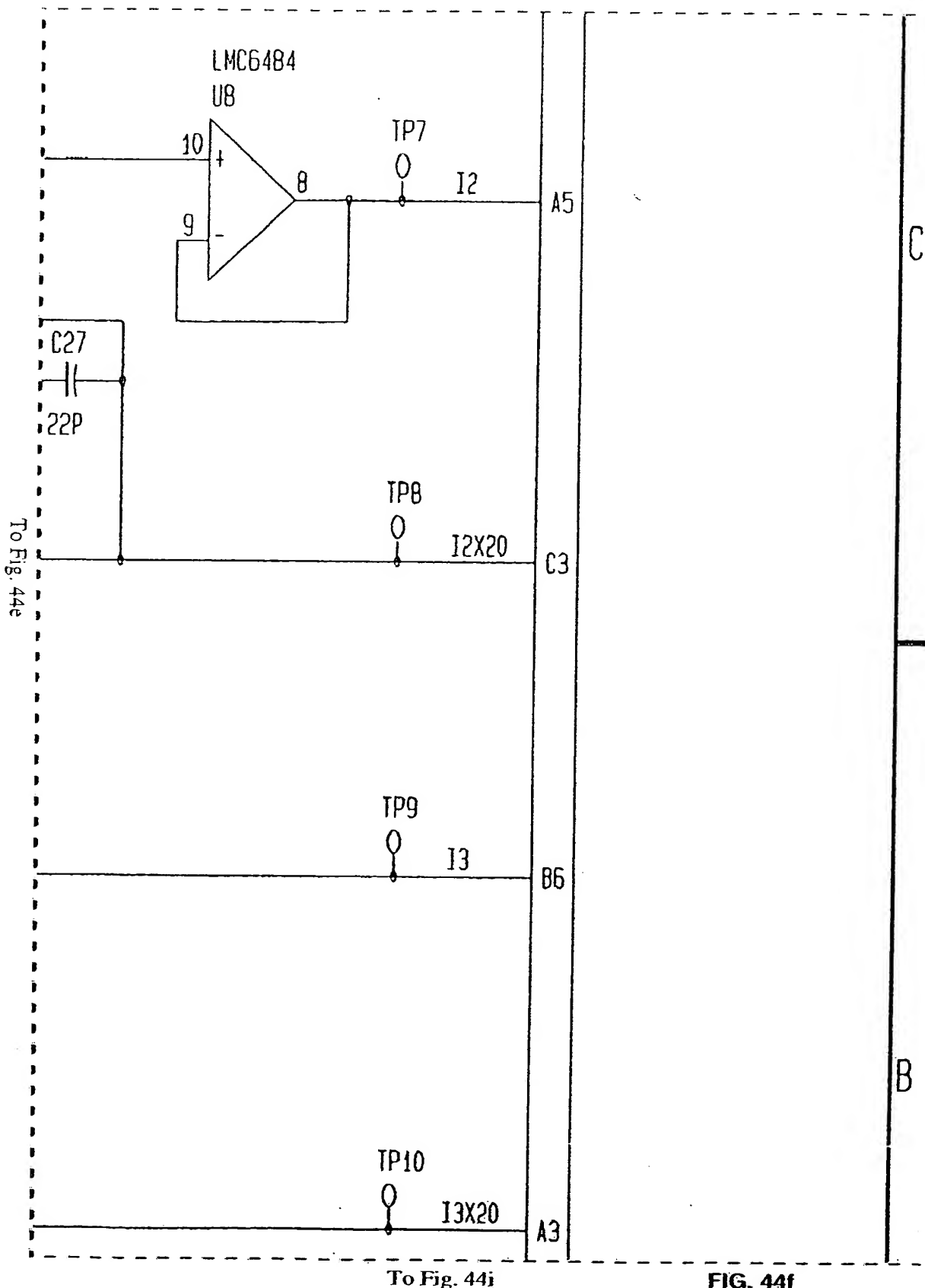
To Fig. 44b



To Fig. 44h

FIG. 44e

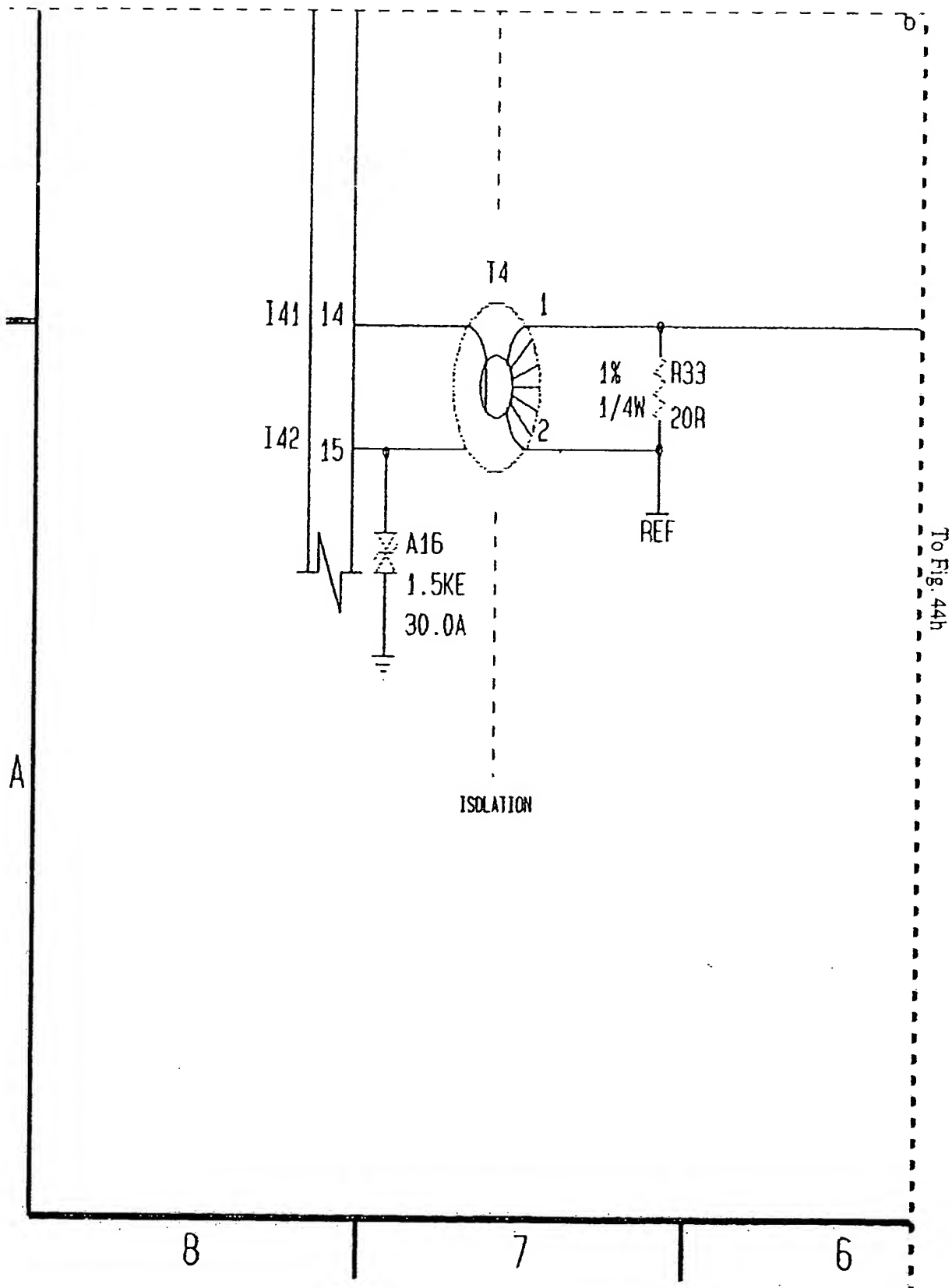
To Fig. 44c



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To Fig. 44d

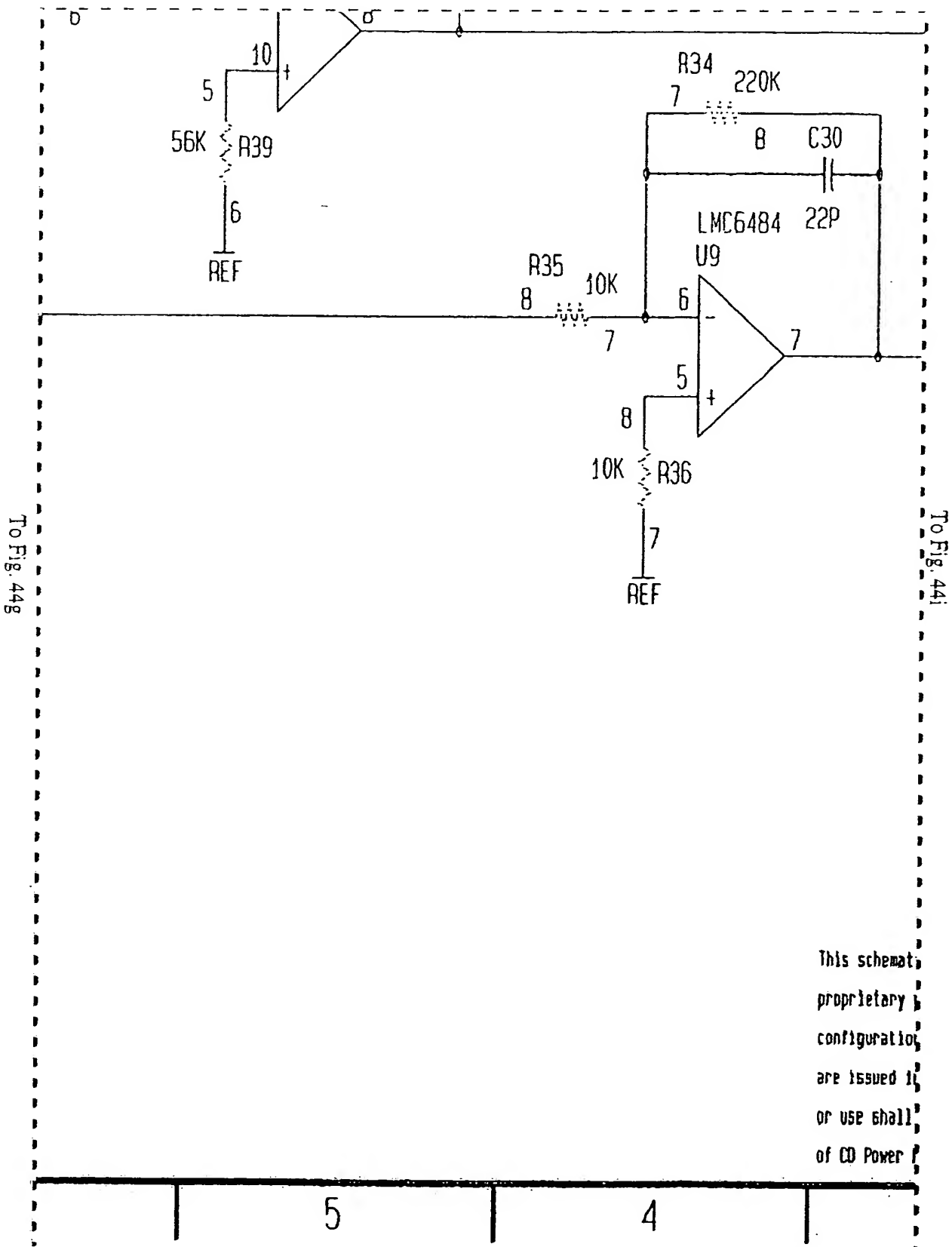


To Fig. 44h

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To Fig. 44e



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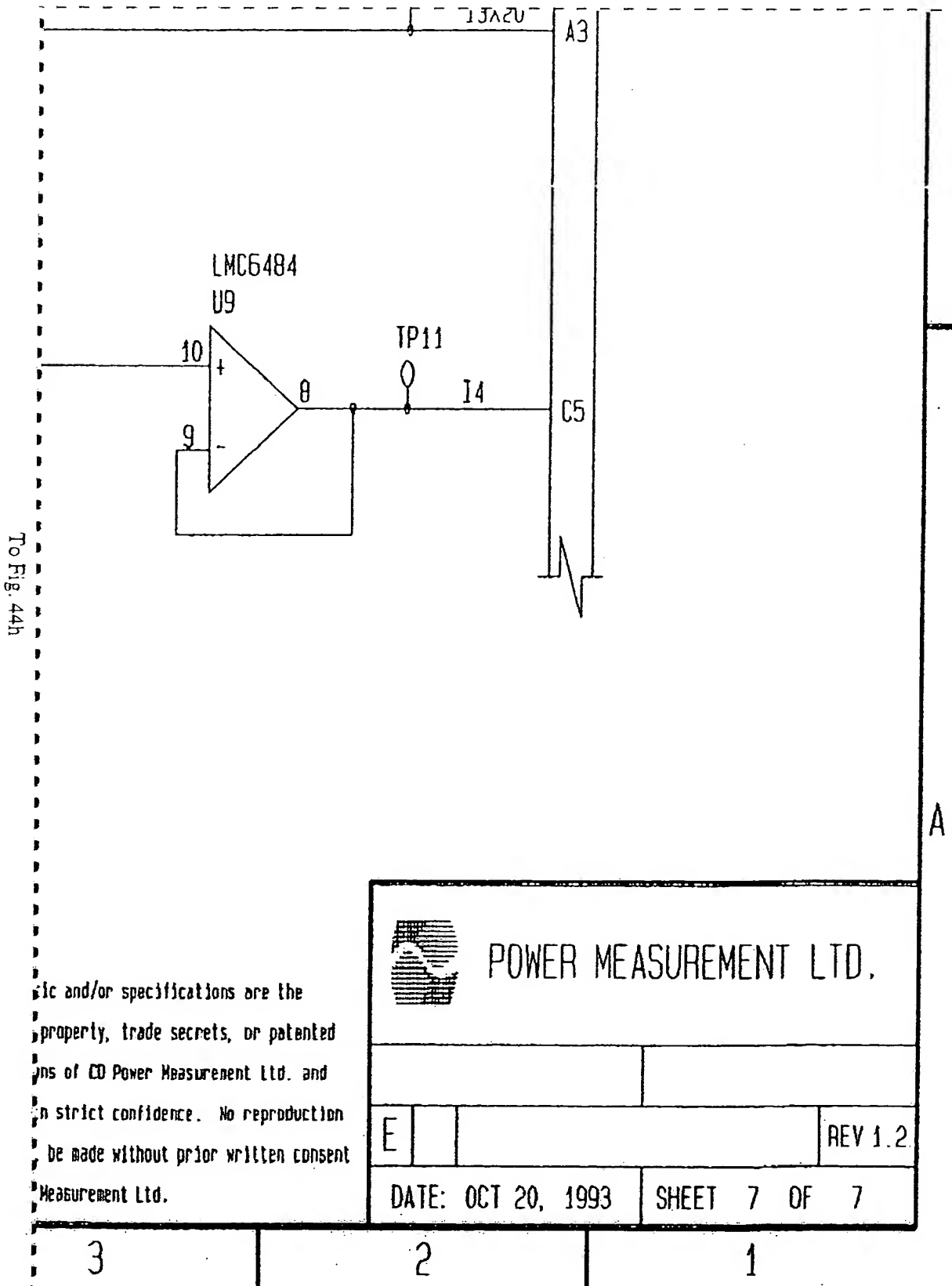
FIG. 44h



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115

To Fig. 44f



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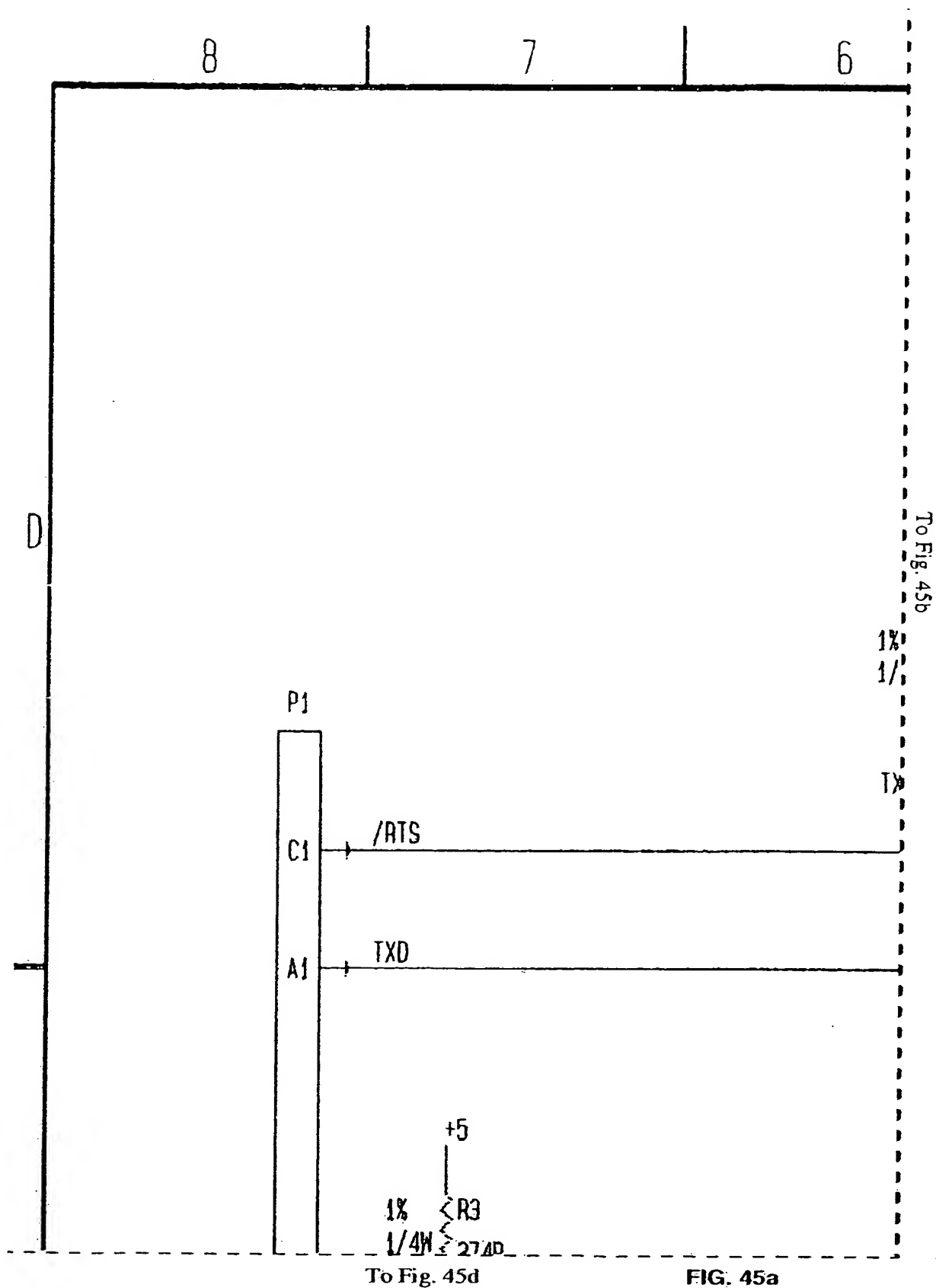
SHEET 7 OF 7

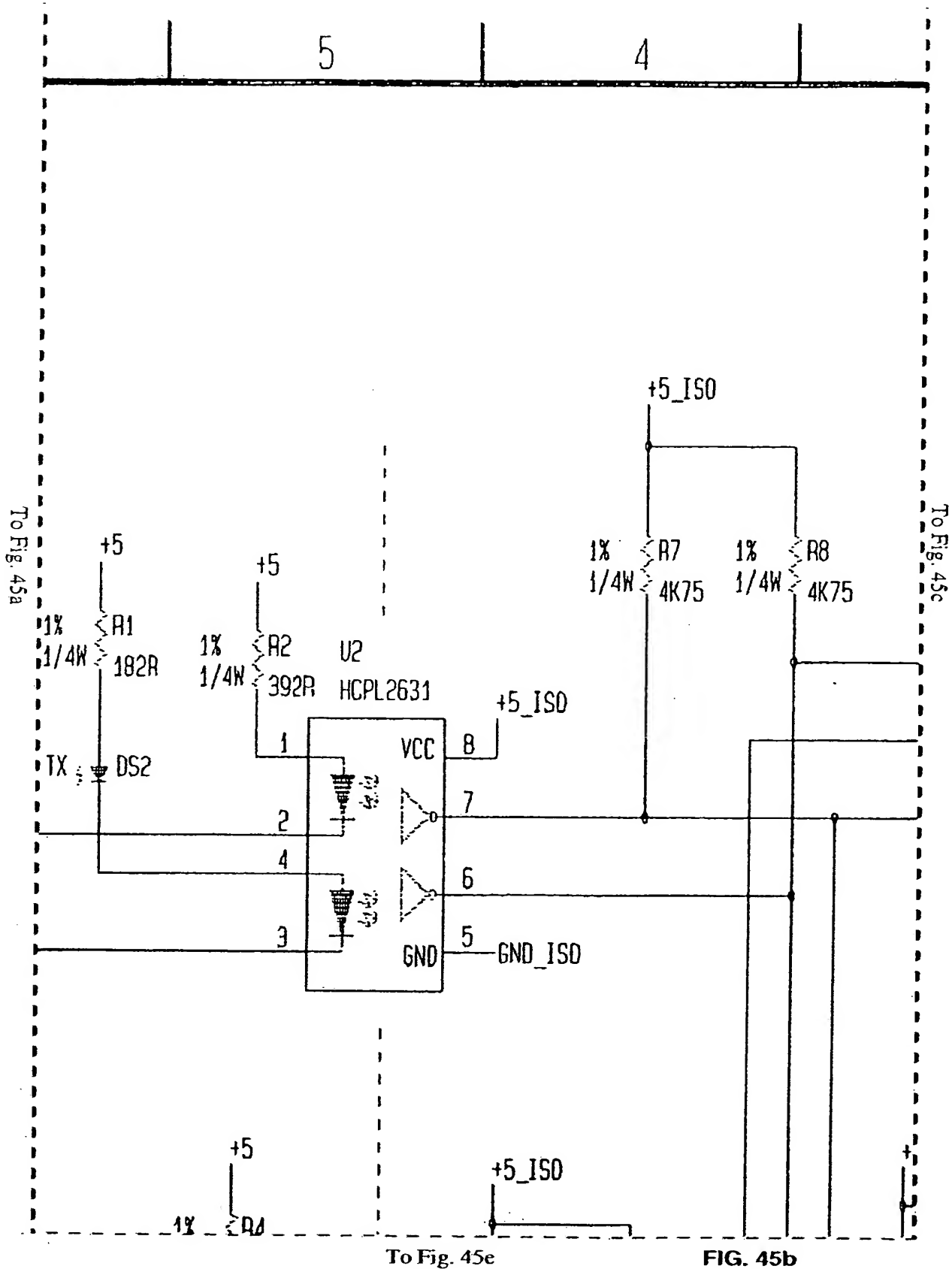
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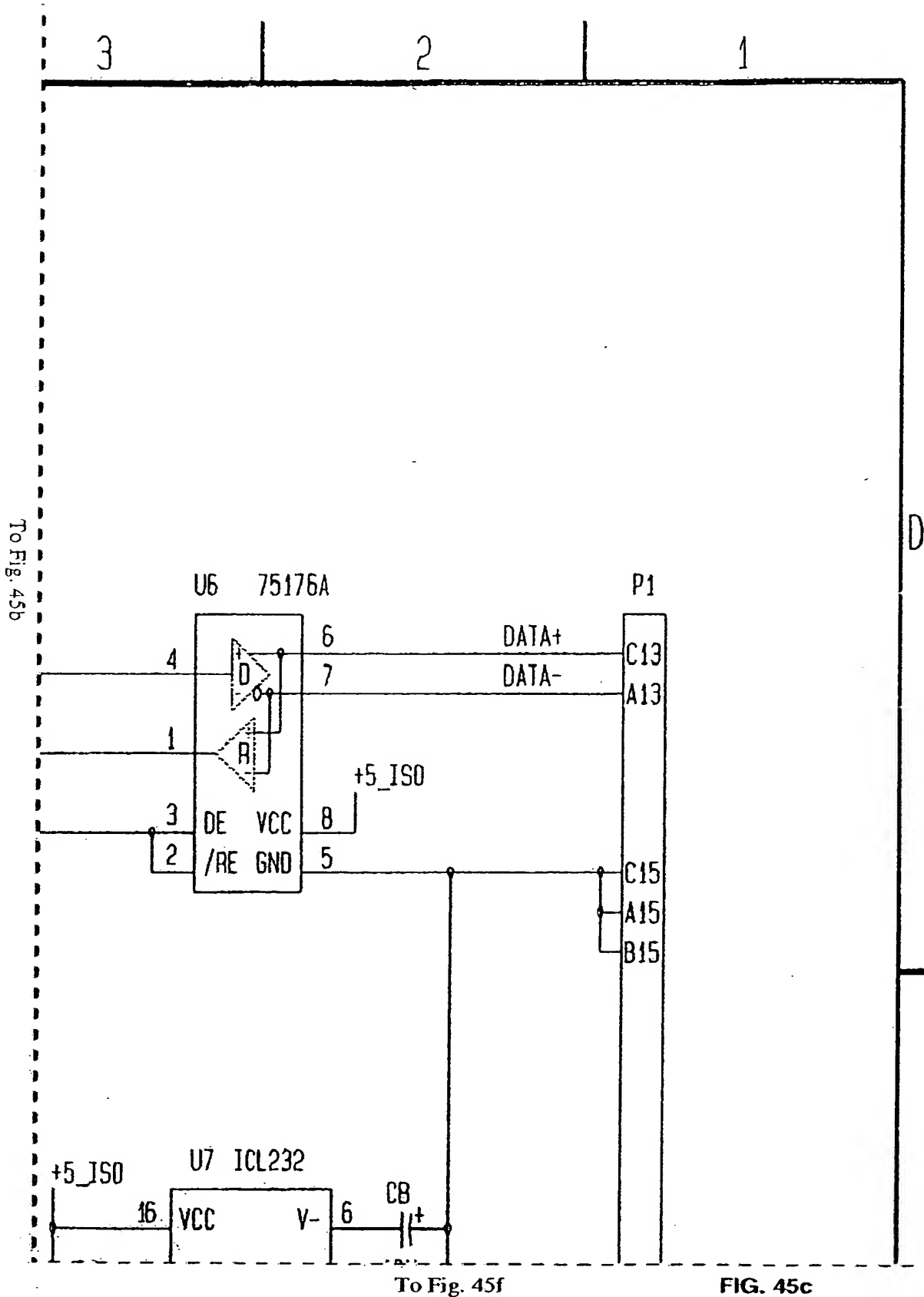
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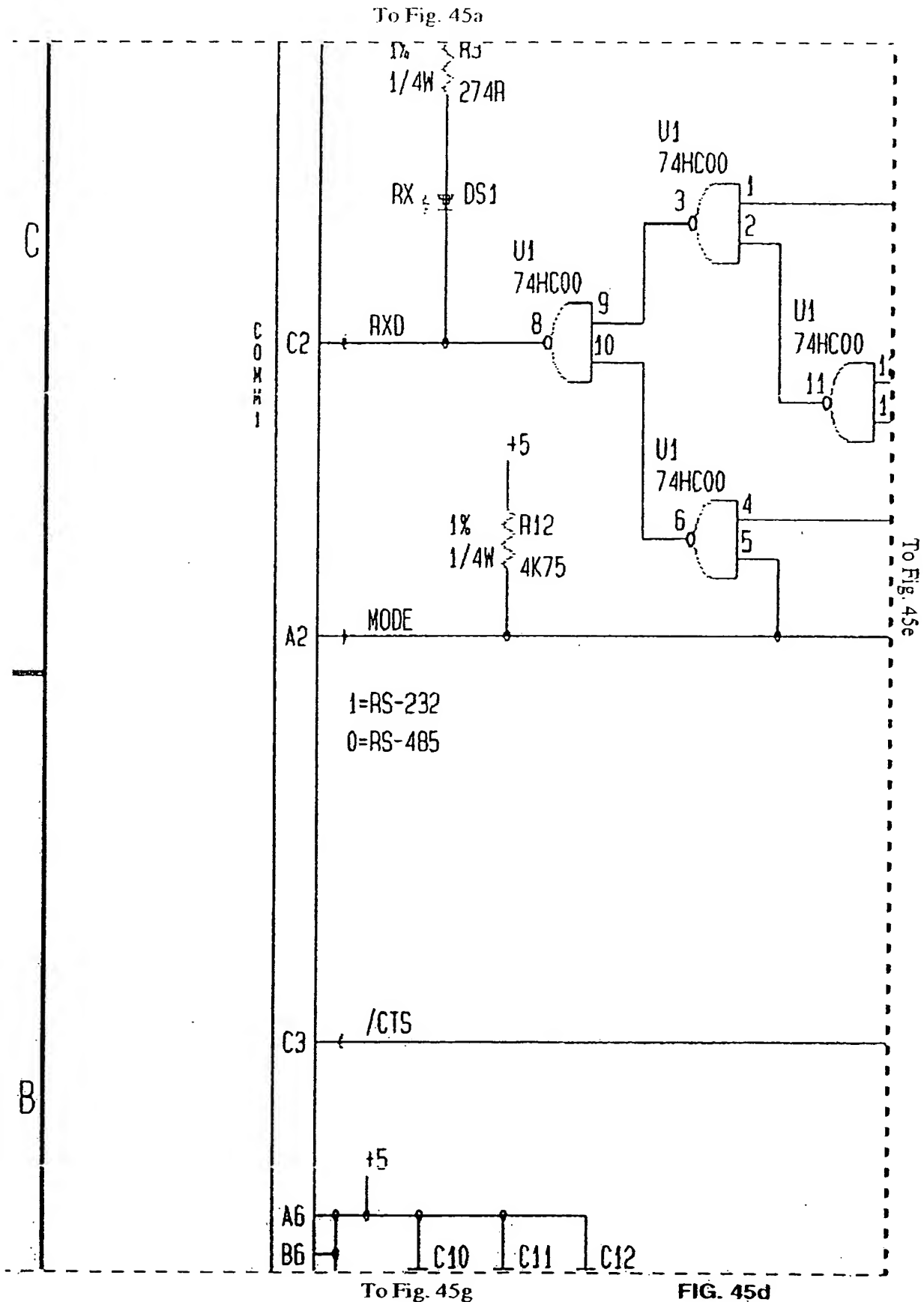
FIG. 44i



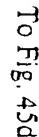




193 08 207

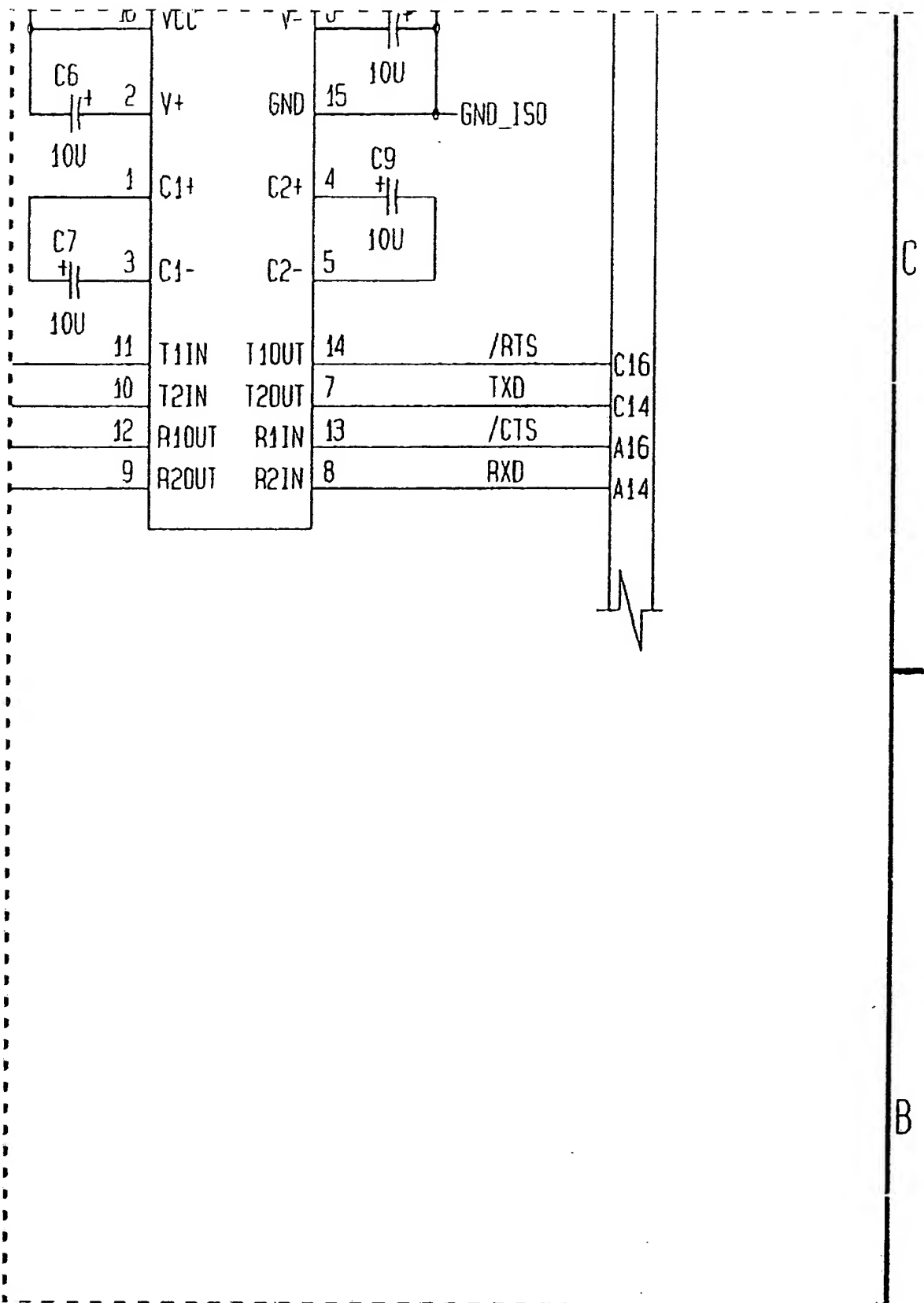


To Fig. 45b



**FIG. 45e**

To Fig. 45c



To Fig. 45e

To Fig. 45i

FIG. 45f

Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/76; Serial No. 10/968,431 613,701

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To Fig. 45d

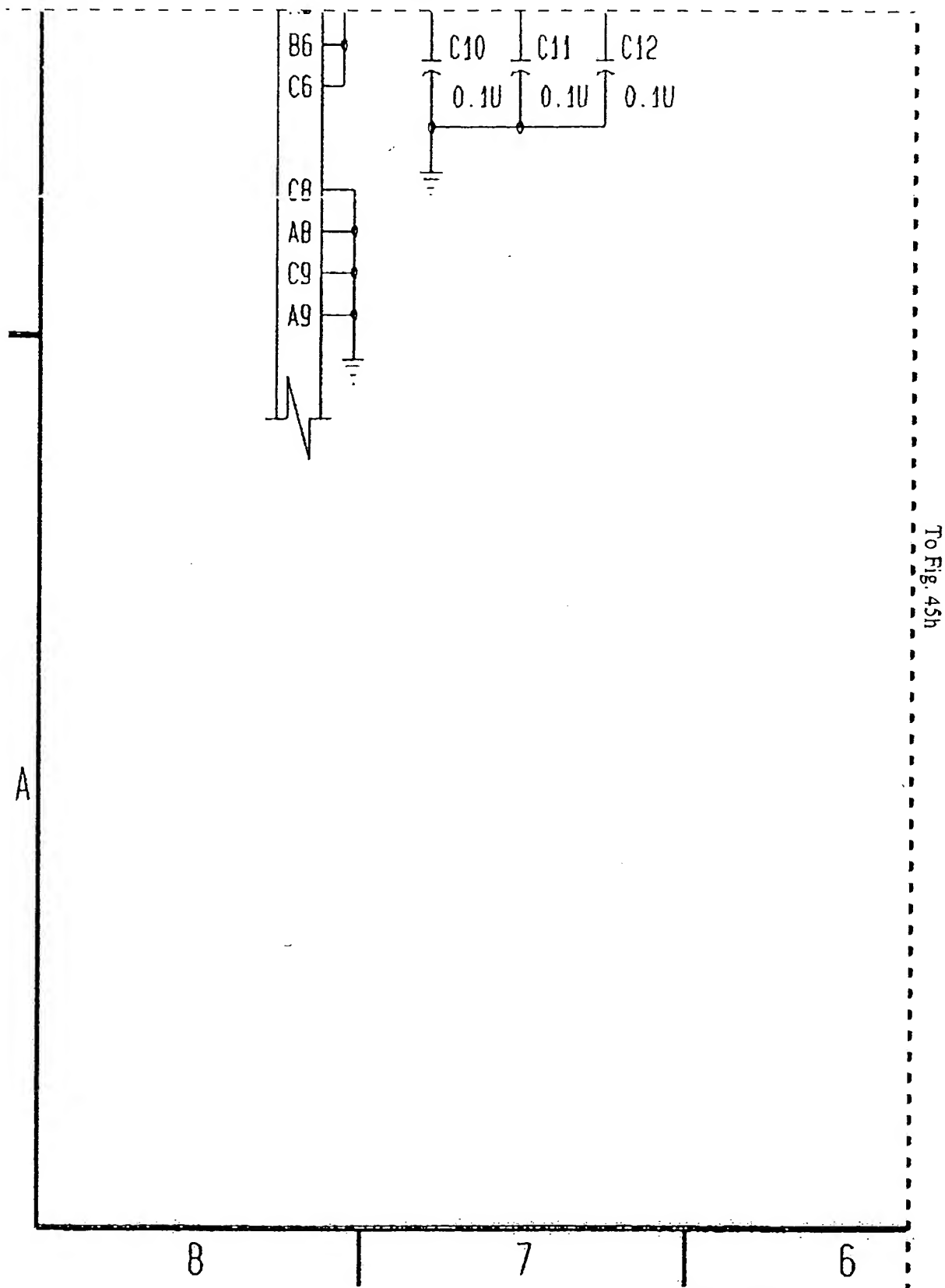


FIG. 45g

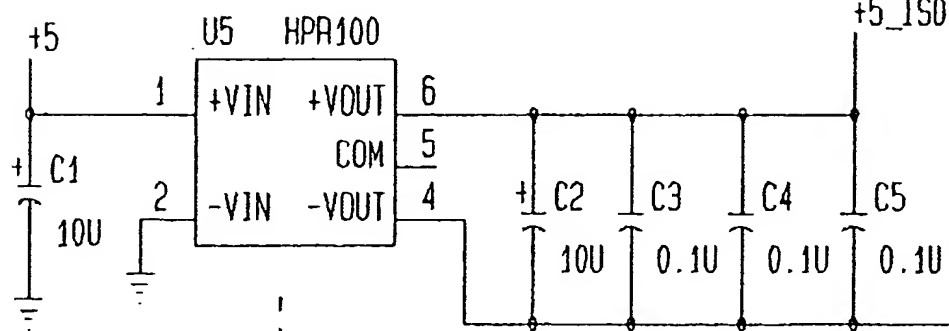


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To Fig. 45e

To Fig. 45g



To Fig. 45i

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FIG. 45h

Patent Application for: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
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Inventor(s): Ronald G. Hart

Attorney Docket No. 6270/76, Serial No. 10468-431 (13,70)

(10)

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To Fig. 45f

To Fig. 45h

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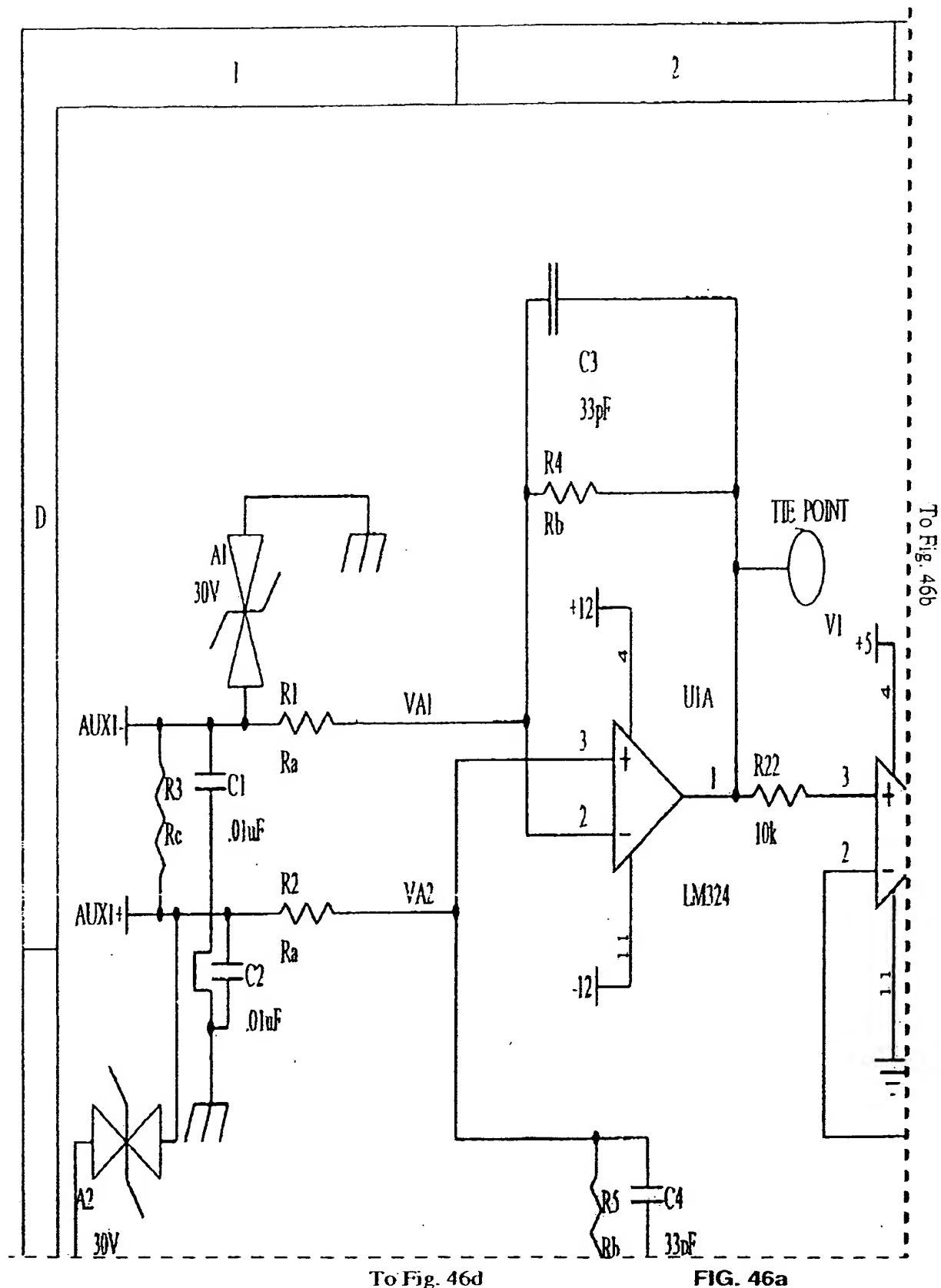
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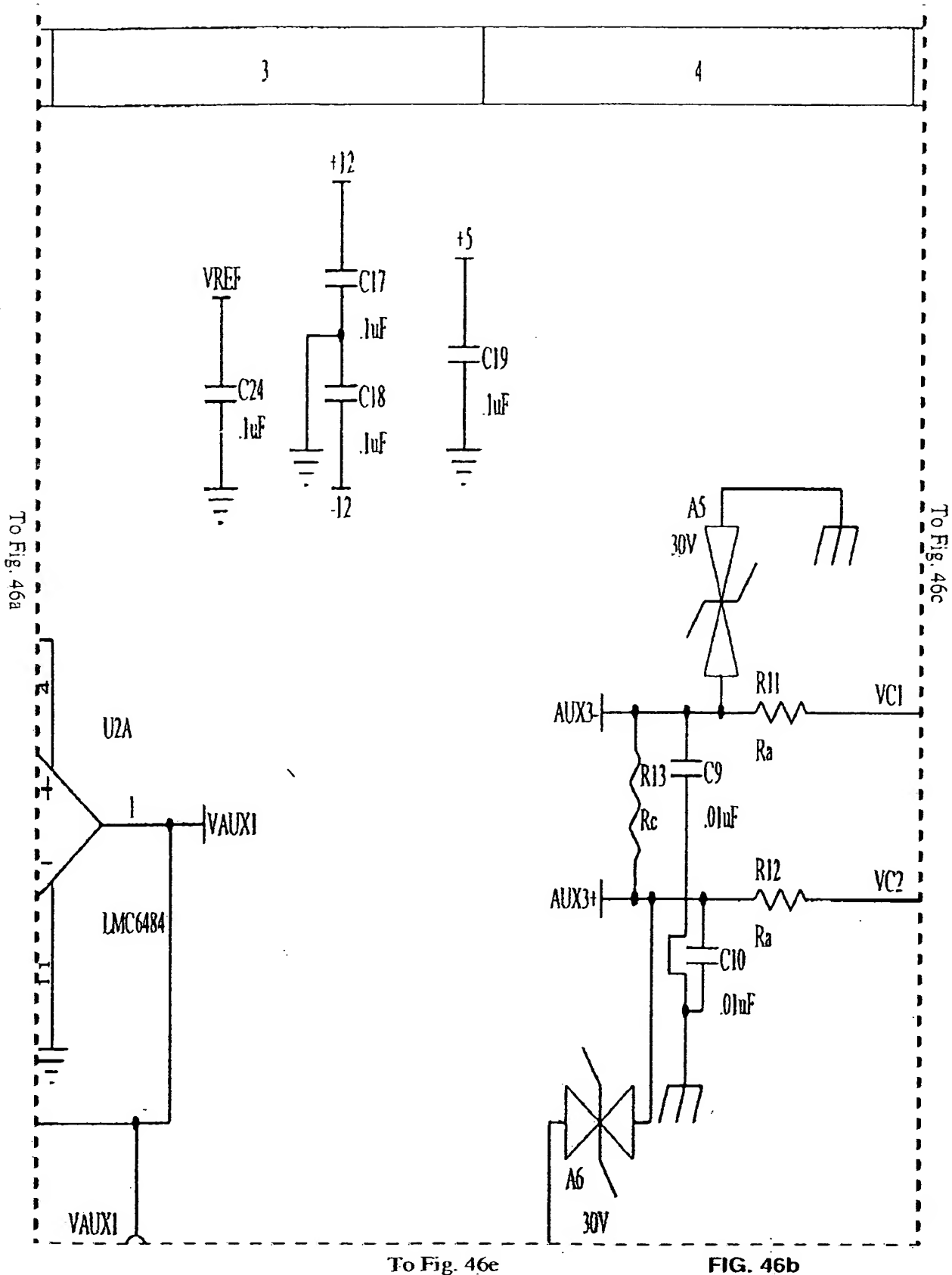
FIG. 45i

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To Fig. 46d

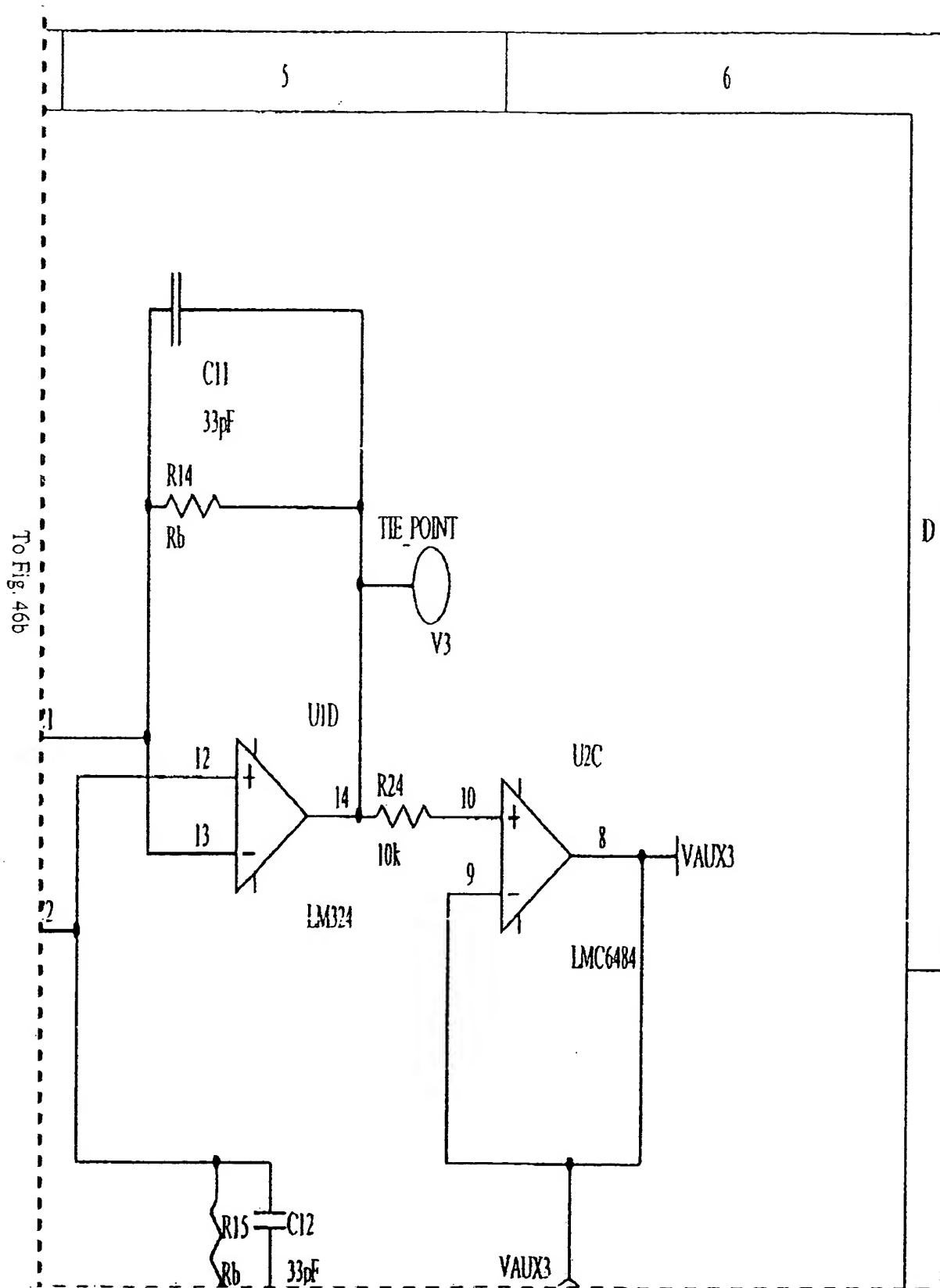
FIG. 46a



To Fig. 46e

FIG. 46b

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To Fig. 46f

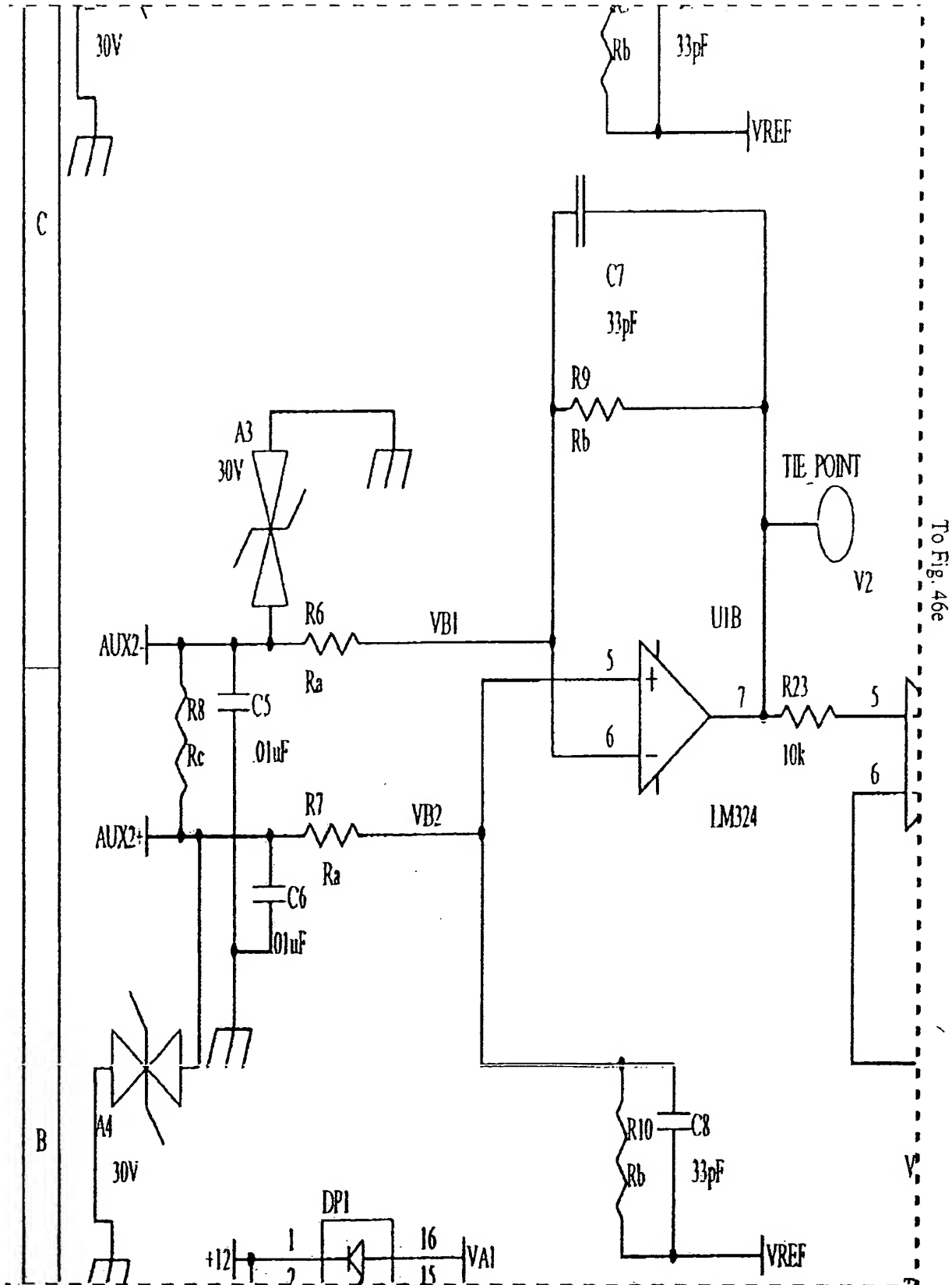
FIG. 46c

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To Fig. 46a



To Fig. 46e

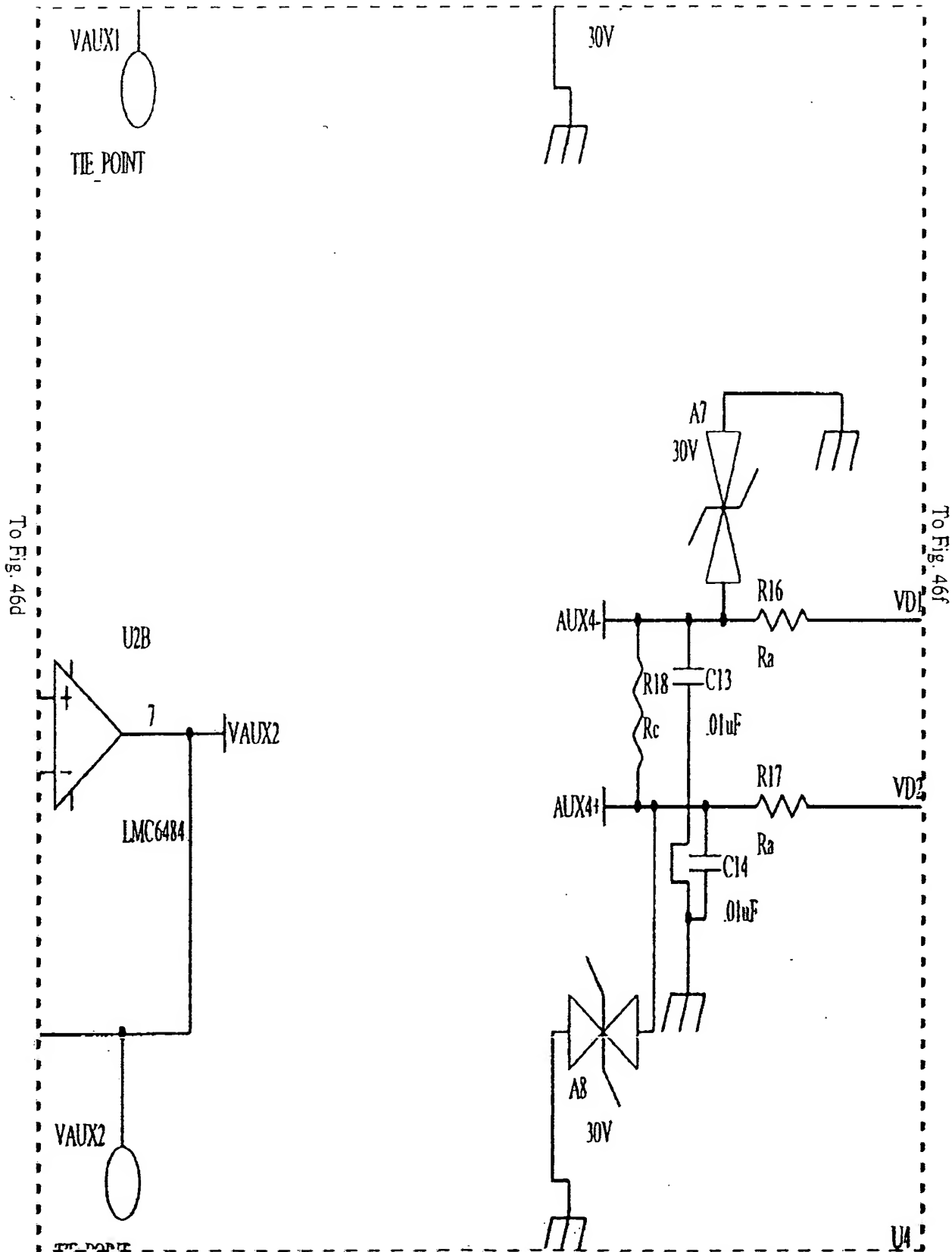
To Fig. 46g

FIG. 46d

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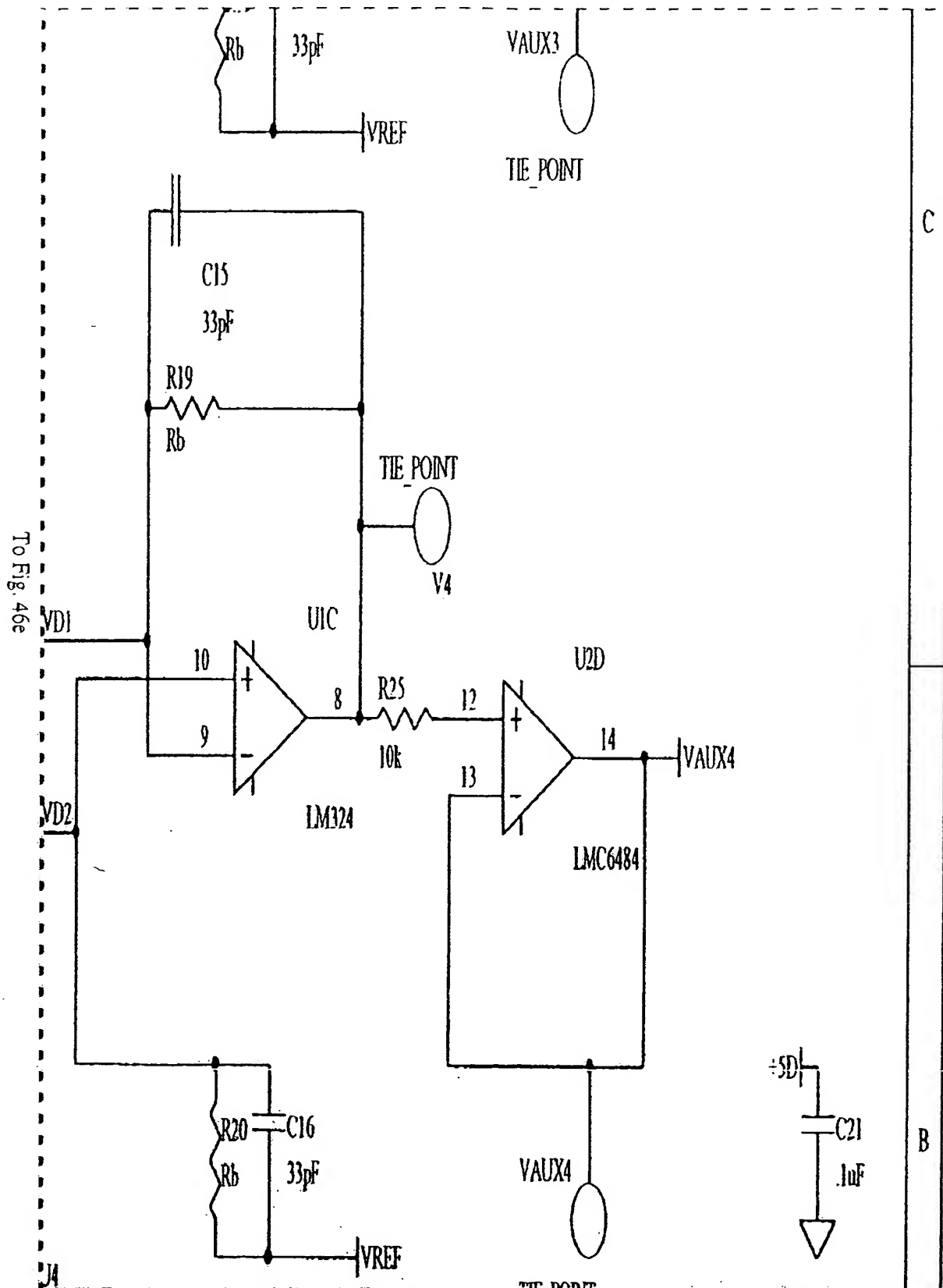
To Fig. 46b



To Fig. 46h

FIG. 46e

To Fig. 46c



To Fig. 46i

FIG. 46f



To Fig. 46d

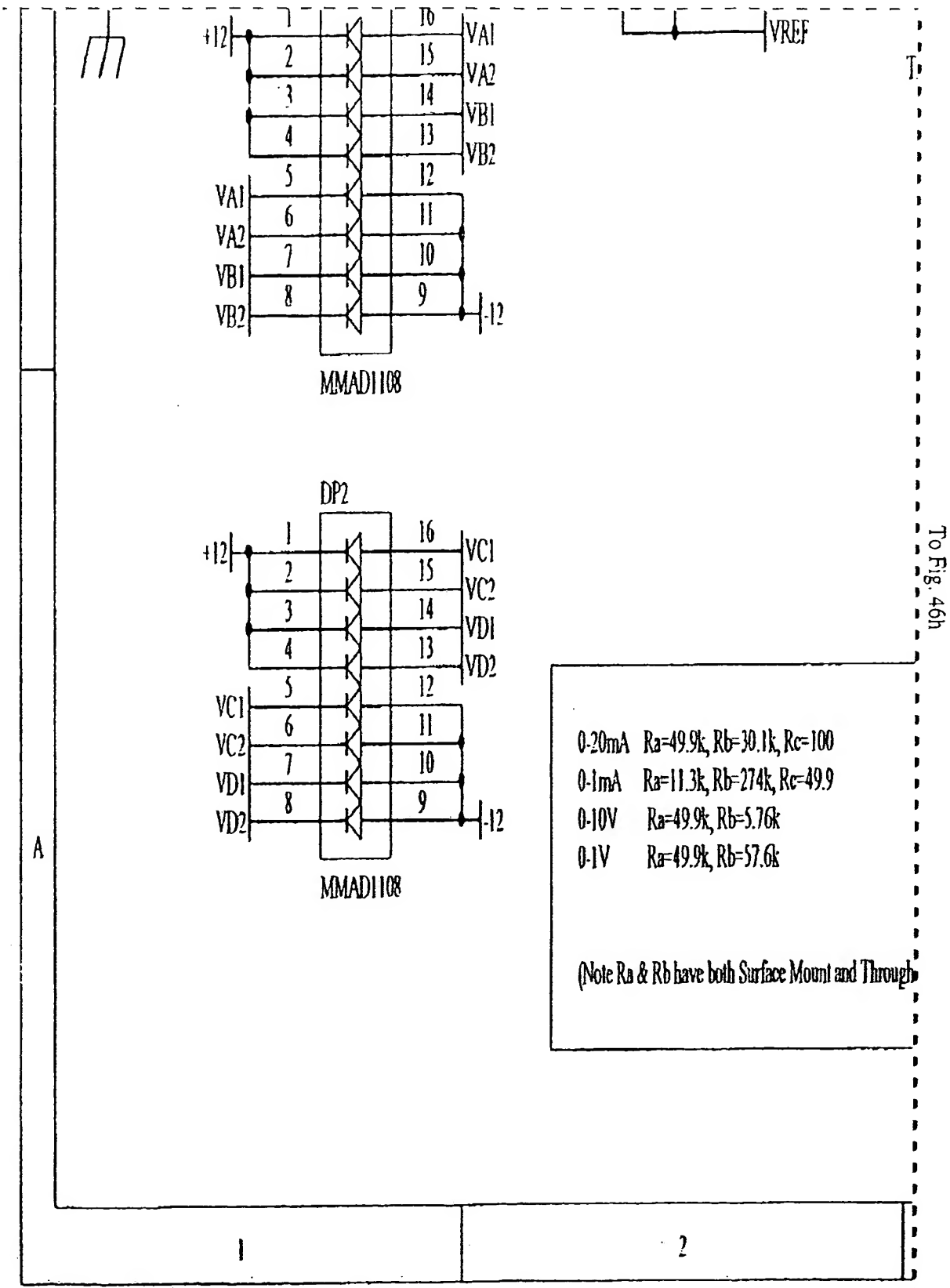


FIG. 46g

To Fig. 46e

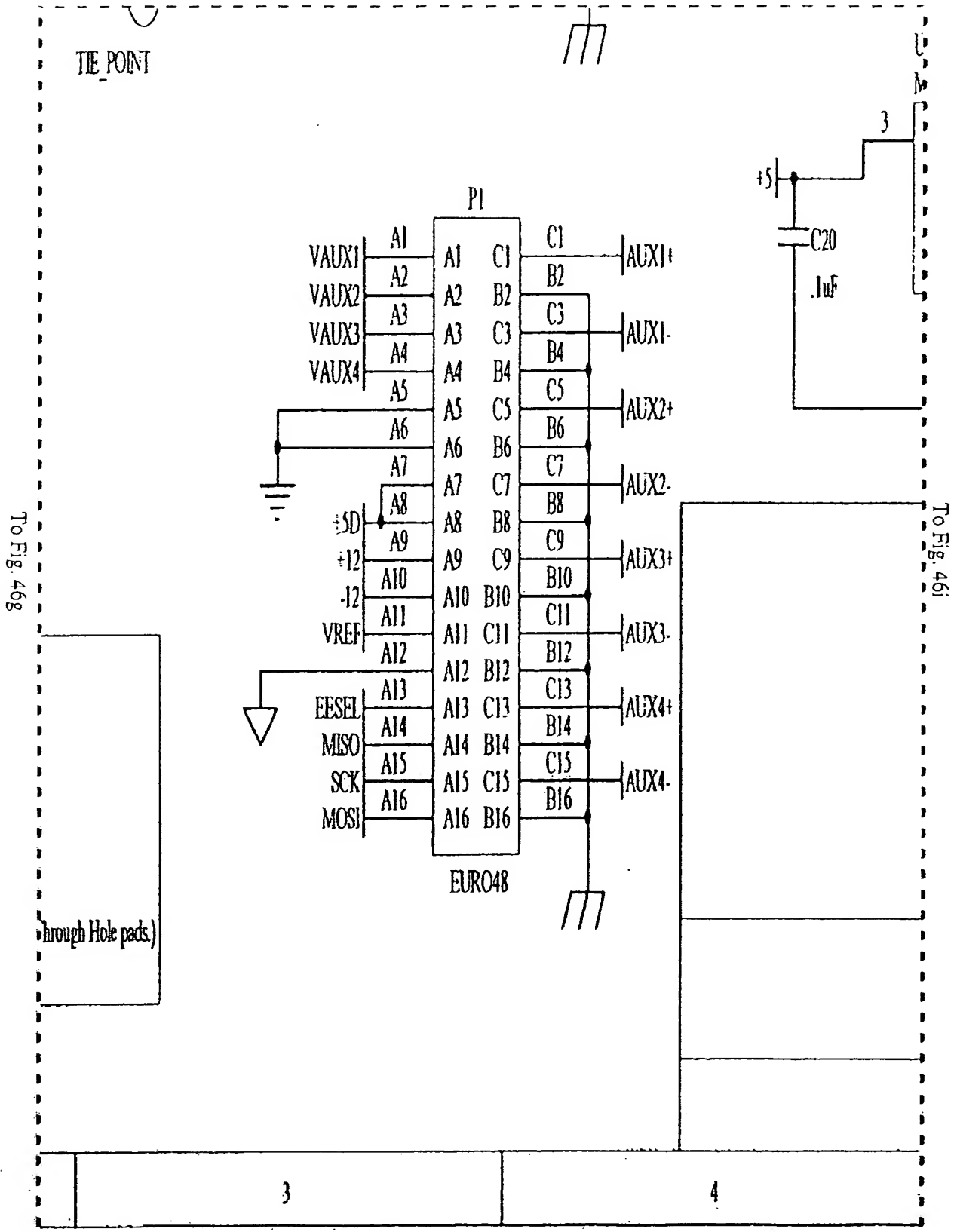
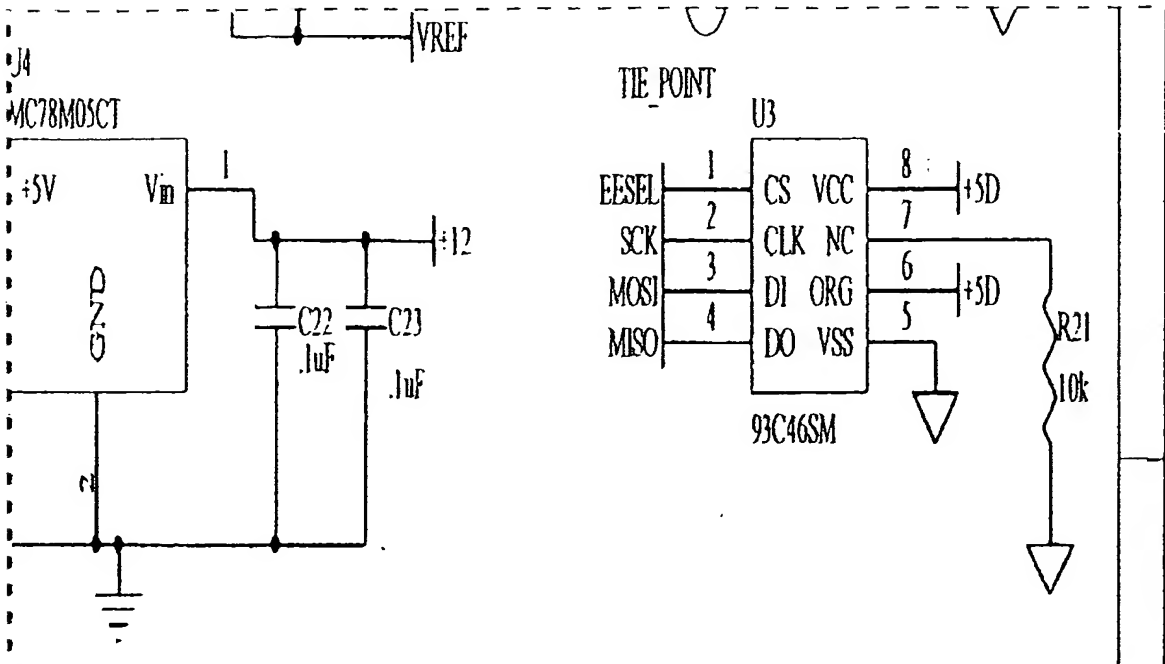


FIG. 46h

To Fig. 46f



To Fig. 46h

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Oct. 19, 1994.

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Scale	Sheet		
	1 of 1		

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FIG. 46i